

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24644056_c2_395	1716	6938	350	1053	698	9.5e-69

Protein name	Locus Name	Acc#
	sp:PDXB_ECOLI	P05459

Description

ERYTHRONATE-4-PHOSPHATE DEHYDROGENASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24645461_f1_19	1717	6939	207	624	889	5.5e-89

Protein name	Locus Name	Acc#
tetracycline resistance element mobilization regulatory protein rteC	pir:A36927	A36927

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24647250_f1_84	1718	6940	263	792	377	9.9e-35

Protein name	Locus Name	Acc#
acetylglutamate kinase	pir:F69111	F69111

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24647942_c1_284	1719	6941	505	1518	198	6.1e-22

Protein name	Locus Name	Acc#
auxin-responsive GH3-like protein	gp:ATAC005396	AC005396

Description

Arabidopsis thaliana chromosome II BAC T26120 genomic sequence, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24650067_f3_257	1720	6942	173	522		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24695282_f3_176	1721	6943	136	411		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24782036_f3_198	1722	6944	599	1800	161	2.2e-15

Protein name

Locus Name

Acc#

sp:REP_BUCAP

051889

Description

ATP-DEPENDENT DNA HELICASE REP,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25398427_f1_68	1723	6945	489	1470	416	7.3e-39

Protein name

Locus Name

Acc#

unknown

gp:AF144879

AF144879

Description

Leptospira interrogans rfb locus, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25578201_f1_70	1724	6946	343	1032	537	1.1e-51

Protein name

Locus Name

Acc#

sp:LPSA_BACNO

P39907

Description

LPSA PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
259837_f2_111	1725	6947	658	1977	3380	0.0

Protein name

Locus Name

Acc#

tetracycline resistance protein tetQ:tetA(Q)2

pir:I40188

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2617942_c2_450.....	1726	6948	703	2112	309	1.6e-24

Protein name

Locus Name

Acc#

mobilization protein C

gp:AF118243

AF118243

Description

Bacteroides fragilis mobilization protein C (mobC) gene, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26462933_f3_255.....	1727	6949	249	750		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26571900_f3_173	1728	6950	233	702		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26584437_f1_81	1729	6951	599	1800	216	3.4e-25

Protein name

Locus Name

Acc#

sp:HS90_PODAN

043109

Description

INCOMPATIBILITY MOD-E)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26600927_f2_132	1730	6952	209	630		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26759678_f3_249	1731	6953	612	1839	872	4.6e-91

Protein name

Locus Name

Acc#

ABC transporter (ATP-binding protein) homolog
ygaD

pir:G69815

G69815

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26818752_c2_422	1732	6954	135	408		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2923125_f3_254	1733	6955	119	360		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29344216_c1_317	1734	6956	474	1425	80	0.032

Protein name Locus Name Acc#

M protein precursor

pir:S60858

S60858

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2947141_f2_94	1735	6957	117	354		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29573763_f3_197	1736	6958	409	1230	252	2.4e-19

Protein name Locus Name Acc#

hypothetical protein Rv0597c

pir:H70908

H70908

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29869676_f1_44	1737	6959	296	891	149	2.7e-09

Protein name

Locus Name

Acc#

sp:PRIM_LISMO

P47762

Description

DNA PRIMASE,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31736291_f2_93	1738	6960	177	534		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31814442_g3_526.....	1739	6961	266	801		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31885192_f3_195.....	1740	6962	68	207		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31892650_c1_351	1741	6963	807	2424		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33245255_c2_378	1742	6964	74	225		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33399058_f2_118	1743	6965	653	1962	172	1.5e-10

Protein name Locus Name Acc#

sp:VOLD_BPP2 P13520

Description

OVERCOMING LYSOGENIZATION DEFECT PROTEIN

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33706251_f2_167	1744	6966	180	543	185	2.2e-14

Protein name Locus Name Acc#

putative RNA polymerase sigma factor (ECF) gp:SCE46 AL133252

Description

Streptomyces coelicolor cosmid E46.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34037503_f3_170	1745	6967	99	300		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34063441_f2_138	1746	6968	198	597		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34178438_f3_244	1747	6969	272	819		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34183402_f1_28	1748	6970	116	351		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34199183_f3_212	1749	6971	627	1884	1219	5.9e-124

Protein name

Locus Name

Acc#

maturase-related protein (intL intron)

pir:S77648

S77648

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34268878_f1_27	1750	6972	160	483	81	0.0034
Protein name			Locus Name		Acc#	
glucosidase II beta-subunit			gp:AF066061		AF066061	
Description						
Mus musculus glucosidase II beta-subunit gene, alternatively spliced products, partial cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35171937_c1_350	1751	6973	439	1320		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35352031_c2_420	1752	6974	179	540		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35725786_c1_300	1753	6975	152	459		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3933375_c3_520	1754	6976	430	1293	82	0.017
Protein name			Locus Name		Acc#	
hypothetical protein			pir:B72242		B72242	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4007635_c3_521	1755	6977	93	282		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
414687_f1_55	1756	6978	232	699	479	1.5e-45
Protein name			Locus Name		Acc#	
			sp:YLCA_ECOLI		P77380	
Description						

PROBABLE TRANSCRIPTIONAL REGULATORY PROTEIN YLCA

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4192500_f2_150	1757	6979	367	1104	510	7.9e-49
Protein name			Locus Name		Acc#	
conserved hypothetical protein aq_1224			pir:G70405		G70405	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
422552_f1_76	1758	6980	190	573	259	3.1e-22
Protein name			Locus Name		Acc#	
shikimate kinase			pir:A70487		A70487	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4298525_c2_397	1759	6981	425	1278	1152	7.4e-117
Protein name			Locus Name			Acc#
synthase,			pir:G69842			G69842
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4307136_f3_231	1760	6982	89	270		
Protein name			Locus Name			Acc#
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4707750_f1_72	1761	6983	311	936	288	2.9e-37
Protein name			Locus Name			Acc#
hypothetical protein PH0424			pir:A71153			A71153
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
475002_f3_189	1762	6984	63	192		
Protein name			Locus Name			Acc#
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4876592_f1_85	1763	6985	162	489		
Protein name			Locus Name			Acc#
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4884628_f3_232	1764	6986	456	1371	334	4.2e-30

Protein name

Locus Name

Acc#

copper resistance sensor kinase pcoS:copper sensor

pir:S52258

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5272917_f3_233	1765	6987	887	2664	2321	9.8e-241

Protein name

Locus Name

Acc#

sp:ATMA_ECOLI

P39168

Description

MG(2+) TRANSPORT ATPASE, P-TYPE 1,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6429200_f2_147	1766	6988	62	189		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6500_c1_275	1767	6989	64	195	73	0.031

Protein name

Locus Name

Acc#

sp:YGEG_ECOLI

Q46787

Description

HYPOTHETICAL 19.1 KD PROTEIN IN KDUI-LYSS INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6532501_c2_461	1768	6990	438	1317		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6814017_f1_30	1769	6991	126	381	70	0.033

Protein name

Locus Name

Acc#

41kd antigen

gp:A13461

A13461

Description

P.falciparum gene for 41kd antigen, clone 41-7.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6828312_c2_396	1770	6992	82	249	266	5.7e-23

Protein name

Locus Name

Acc#

acyl carrier protein (ACP)

gp:ABACPF

X82399

Description

A.brasilense acpF gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
78126_f2_152	1771	6993	351	1056	710	5.1e-70

Protein name

Locus Name

Acc#

sp:K6PF_SYNY3

P72830

Description

(PHOSPHOHEXOKINASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
783410_f3_172	1772	6994	391	1176		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
85827_f2_155.....	1773	6995	207	624	371	4.3e-34

Protein name

Locus Name

Acc#

phosphoribosylglycinamide formyltransferase

gp:ATPUR3

X74767

Description

Arabidopsis thaliana mRNA for phosphoribosylglycinamideformyltransferase encoded by PUR3 gene.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9787906_f2_121.....	1774	6996	80	243		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9923130_c3_577.....	1775	6997	111	336	85	0.00086

Protein name

Locus Name

Acc#

hypothetical protein SCE68.26c

pir:T36276

T36276

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14176629_c2_6	1776	6998	68	207	113	9.3e-07
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein Rv3069			pir:F70650		F70650	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4978886_f3_2	1777	6999	217	654	628	2.5e-61
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein			pir:JQ1020		JQ1020	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12697201_c2_20	1778	7000	599	1797	340	2.0e-27
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
115K outer membrane protein precursor:SusC protein			pir:JC6027		JC6027	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19532637_c3_23	1779	7001	96	291		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24218762_c1_18	1780	7002	137	414	64	0.015

Protein name	Locus Name	Acc#
ribosomal protein L5	gp:U17009	U17009

Description

Phytophthora infestans mitochondrion, complete genome.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3163438_c2_19	1781	7003	406	1221	148	1.4e-07

Protein name	Locus Name	Acc#
transmembrane sensor	gp:AF051691	AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4806337_c3_21	1782	7004	93	282		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6445306_f2_8	1783	7005	212	639	186	1.7e-14

Protein name	Locus Name	Acc#
RNA polymerase sigma factor SigZ-like protein	gp:AF137263	AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13065655_f3_2	1784	7006	67	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1050026_f2_4	1785	7007	129	390	69	0.044

Protein name

Locus Name

Acc#

transcription regulator, PbsX family

pir:H75270

H75270

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14652161_f3_17	1786	7008	77	234	191	2.6e-14

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_f2_11	1787	7009	115	348	428	3.9e-40

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_f3_16	1788	7010	83	252	64	0.031

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24615625_c3_24	1789	7011	725	2178	2793	9.5e-291
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Protein name

Locus Name

Acc#

alpha-glucosidase

gp:BTU66897

U66897

Description

Bacteroides thetaiotaomicron neopullulanase (susA) and alpha-glucosidase (susB) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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34382842_f1_3	1790	7012	113	342	170	5.1e-12
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Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

10644652_c3_306	1791	7013	628	1887	1058	6.8e-107
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Protein name

Locus Name

Acc#

sp:YFBS_ECOLI

Description

HYPOTHETICAL 65.9 KD PROTEIN IN LRHA-ACKA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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1070311_c3_324	1792	7014	355	1068		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10727040_c1_204	1793	7015	345	1038		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10968955_f3_167.....	1794	7016	237	714	546	1.2e-52

Protein name

Locus Name

Acc#

sp:PDXH_SYNY3

P74211

Description

PYRIDOXAMINE 5'-PHOSPHATE OXIDASE, (PNP/PMP OXIDASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11190877_c3_317.....	1795	7017	406	1221		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1214075_c2_259.....	1796	7018	215	648	364	2.4e-33

Protein name

Locus Name

Acc#

O-acetyl transferase

gp:SAU77308

U77308

Description

Staphylococcus aureus O-acetyl transferase (cap5H) gene, completecds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12985802_f2_99	1797	7019	245	738	84	0.0053

Protein name

Locus Name

Acc#

gp:D84670

D84670

Description

Pyrococcus furiosus gene for DNA polymerase II subunit 1, DNAPolymerase II subunit 2, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13851552_f3_168	1798	7020	363	1092		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13937556_c3_325.....	1799	7021	182	549		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14463512_f1_57.....	1800	7022	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14570327_f3_149	1801	7023	157	474	263	1.2e-22

Protein name

Locus Name

Acc#

orfX

gp:AB014440

AB014440

Description

Staphylococcus aureus genes for orf1, orfX, orf2, orf3, partial and complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16112682_f3_192	1802	7024	961	2886		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16223432_c2_284.....	1803	7025	198	597	187	1.3e-14

Protein name

Locus Name

Acc#

RNA polymerase ECF-type sigma factor homolog ylaC

pir:A69872

A69872

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1957187_c3_315.....	1804	7026	195	588		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19726375_c1_207	1805	7027	161	486	233	1.8e-19

Protein name

Locus Name

Acc#

unknown

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20505007_c3_305	1806	7028	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2187550_f3_143.....	1807	7029	112	339		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22469452_c3_298.....	1808	7030	172	519	149	1.4e-10

Protein name

Locus Name

Acc#

unknown

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23625302_c1_213	1809	7031	434	1305	1720	4.8e-177

Protein name

Locus Name

Acc#

putative UDP-galactose-6 dehydrogenase

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23631637_f3_163	1810	7032	342	1029	902	2.3e-90

Protein name

Locus Name

Acc#

D-2-hydroxy-acid dehydrogenase,

pir:S76782

S76782

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23944510_f1_48	1811	7033	104	315		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24022212_c1_236	1812	7034	330	993	588	4.3e-57

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:A72335

A72335

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24415952_c1_231	1813	7035	220	663	712	3.1e-70
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
ykvJ protein			pir:A69868		A69868	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24416062_c2_258	1814	7036	386	1161	117	0.00067
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
MURF1			gp:AF079967		AF079967	
<u>Description</u>						

Phytomonas serpens 12S large subunit ribosomal RNA and 9S small subunit ribosomal RNA, partial sequence; NADH dehydrogenase subunit 8 (ND8) cryptogene, NADH dehydrogenase subunit 9 (ND9) cryptogene, NADH dehydrogenase subunit 7 (ND7) cryptogene, ATPase subunit 6 (A6) cryptogene, G3 cryptogene, complete sequence; and MURF1 (MURF1) and MURF1 (MURF1) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24640887_c3_301	1815	7037	351	1056	615	5.9e-60
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
N-acetylneuraminic acid condensing enzyme			gp:LPN7311		AJ007311	
<u>Description</u>						

Legionella pneumophila serogroup 1 lipopolysaccharide biosynthesis gene cluster.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24641925_c1_214	1816	7038	388	1167	128	3.3e-05
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
probable lipopolysaccharide N-acetylglucosaminyltransferase, rfbU			pir:F64500		F64500	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24642125_c3_304	1817	7039	442	1329		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24642813_c1_217	1818	7040	200	603	189	8.2e-15

Protein name

Locus Name

Acc#

thiol:disulfide interchange protein

pir:F75549

F75549

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24647126_f1_19	1819	7041	431	1296	78	0.045

Protein name

Locus Name

Acc#

sp:RS10_METTH

O27133

Description

30S RIBOSOMAL PROTEIN S10P

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24648510_c1_211	1820	7042	343	1032	424	1.0e-39

Protein name

Locus Name

Acc#

unknown

gp:AF144879

AF144879

Description

Leptospira interrogans rfb locus, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24806575_c3_300	1821	7043	281	846	159	2.6e-09

Protein name	Locus Name	Acc#
galactosyl transferase	gp:AF030373	AF030373

Description

Streptococcus pneumoniae strain SP-264 alpha, 1-6-glucosidase(dexB) gene, complete cds; capsular polysaccharide biosynthetic locus, complete sequence; and oligopeptide binding protein (aliA) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25431551_c1_212	1822	7044	238	717	289	2.1e-25

Protein name	Locus Name	Acc#
acetyltransferase, vatB	pir:T10903	T10903

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25815961_c2_248.....	1823	7045	647	1944		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25900252_c2_282.....	1824	7046	152	459	591	2.1e-57

Protein name	Locus Name	Acc#
conserved hypothetical protein ykvM	pir:D69868	D69868

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26847025_f2_134	1825	7047	167	504	843	4.1e-84

Protein name

Locus Name

Acc#

sp:FLP_YEAST

P03870

Description

RECOMBINASE FLP PROTEIN (PROTEIN ABLE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26847025_f3_195	1826	7048	167	504	843	4.1e-84

Protein name

Locus Name

Acc#

sp:FLP_YEAST

P03870

Description

RECOMBINASE FLP PROTEIN (PROTEIN ABLE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29484452_c1_216.....	1827	7049	433	1302	933	1.2e-93

Protein name

Locus Name

Acc#

Cps7G

gp:AF164515

AF164515

Description

Streptococcus suis putative glycosyltransferase Cps7E (cps7E) gene, partial cds; putative glycosyltransferase Cps7F (cps7F) and Cps7G (cps7G) genes, complete cds; and putative glycosyltransferase Cps7H (cps7H) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29506500_c2_257.....	1828	7050	481	1446	275	2.0e-21

Protein name

Locus Name

Acc#

Cps2J

gp:AF026471

AF026471

Description

Streptococcus pneumoniae DexB (dexB) gene, partial cds; putative transposase gene, complete cds; type 2 capsular polysaccharide biosynthesis operon, complete sequence; and AliA (aliA) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30509375_c1_198	1829	7051	246	741	117	0.00037
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
STARP antigen			gp:AF209925		AF209925	
<u>Description</u>						
Plasmodium falciparum STARP antigen (STARP) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31287_c2_255	1830	7052	236	711	347	1.5e-31
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
CMP-N-acetylneuraminic acid synthetase			gp:LPN7311		AJ007311	
<u>Description</u>						
Legionella pneumophila serogroup 1 lipopolysaccharide biosynthesis gene cluster.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31593_c2_243	1831	7053	62	189		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34019812_c2_283	1832	7054	272	819		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34180437_c2_280	1833	7055	172	519	209	6.3e-17

Protein name	Locus Name	Acc#
putative ECF sigma factor RpoE1	gp:AF049107	AF049107

Description

Myxococcus xanthus response regulator FrzZ (frzZ) gene, partialcds; alanine dehydrogenase (aldA), putative ECF sigma factor RpoE1(rpoE1), and response regulator homolog (frzS) genes, complete cds;and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34562591_c3_296	1834	7056	352	1059		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34572201_c1_235.....	1835	7057	283	852		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35166265_c2_254.....	1836	7058	214	645	291	1.3e-25

Protein name	Locus Name	Acc#
putative acetyl transferase	gp:LPN7311	AJ007311

Description

Legionella pneumophila serogroup 1 lipopolysaccharide biosynthesisgene cluster.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36135887_c1_219	1837	7059	68	207	73	0.016
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
water-stress inducible protein			gp:AF010584		AF010584	
<u>Description</u>						
Oryza sativa water-stress inducible protein (WSI) mRNA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
39067_c2_256	1838	7060	443	1332	81	0.023
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:RK23_EUGGR		P19167	
<u>Description</u>						
CHLOROPLAST 50S RIBOSOMAL PROTEIN L23						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
391003_f2_101	1839	7061	311	936	129	5.6e-06
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
ubiquinone/menaquinone biosynthesis methyltransferase-related protein			pir:F72262		F72262	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3912637_f1_28	1840	7062	244	735	428	3.9e-40
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein sll1773			pir:S77110		S77110	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
392802_c2_261	1841	7063	198	597	541	4.1e-52

Protein name	Locus Name	Acc#
ORF8S	gp:AB028134	AB028134

Description

Shigella sonnei O-antigen gene cluster for ORF6S, ORF7S, ORF8S, ORF9S, ORF10S, partial and complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3957767_f2_69	1842	7064	372	1119	1076	8.4e-109

Protein name	Locus Name	Acc#
alanine dehydrogenase	gp:AF070716	AF070716

Description

Vibrio proteolyticus alanine dehydrogenase (ald) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4071052_c2_242	1843	7065	250	753	312	7.6e-28

Protein name	Locus Name	Acc#
Tou1	gp:AF058689	AF058689

Description

Neisseria meningitidis strain Z2491, genomic sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4117802_c1_225	1844	7066	608	1827	181	3.6e-09

Protein name	Locus Name	Acc#
hypothetical protein	pir:S75991	S75991

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4407580_c1_215	1845	7067	261	786	761	2.0e-75

Protein name

Locus Name

Acc#

putative glycosyl transferase

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4457808_c2_287	1846	7068	490	1470	189	3.8e-12

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:B72224

B72224

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4789052_c3_321	1847	7069	282	849	609	2.6e-59

Protein name

Locus Name

Acc#

quinolinate phosphoribosyl transferase

pir:B70375

B70375

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4975937_c2_281	1848	7070	230	693	266	5.7e-23

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:A72334

A72334

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
585312_f1_34	1849	7071	132	399	154	4.2e-11

Protein name

Locus Name

Acc#

sp:LGUL_NEIME

033393

Description

(S-D-LACTOYLGLUTATHIONE METHYLGLYOXAL LYASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
598150_f2_113	1850	7072	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
625933_c1_196	1851	7073	92	279		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6679812_c2_273	1852	7074	147	444		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
7293_c3_288	1853	7075	85	258	263	1.2e-22

Protein name

Locus Name

Acc#

sp:REP1_YEAST

P03871

Description

TRANS-ACTING FACTOR B (REP1) (PROTEIN BAKER)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
907575_c1_208	1854	7076	412	1239	319	1.8e-30

Protein name

Locus Name

Acc#

putative epimerase/dehydratase Wb11

gp:AF064070

AF064070

Description

Burkholderia pseudomallei putative dihydroorotase (pyrC) gene, partial cds; putative 1-acyl-sn-glycerol-3-phosphateacyltransferase (plsC), putative diadenosine tetraphosphatase (apaH), complete cds; type II O-antigen biosynthesis gene cluster, complete sequence; putative undecaprenyl phosphateN-acetylglucosaminyltransferase, and putative

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
977202_c1_226.....	1855	7077	501	1506		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
9859712_c3_299.....	1856	7078	406	1221	544	1.0e-56

Protein name

Locus Name

Acc#

aminotransferase homolog

gp:AF001497

AF001497

Description

Campylobacter jejuni polysaccharide biosynthesis protein homolog gene, partial cds, galactosyl transferase homolog, UDP-galactosephosphate transferase homolog, acetyl transferase homolog and aminotransferase homolog genes, complete cds, and polysaccharide biosynthesis enzyme homolog gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14722075_f1_6	1857	7079	77	234	137	2.7e-09
Protein name			Locus Name		Acc#	
ribosomal protein L30			pir:B72248		B72248	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14868817_f1_12	1858	7080	113	342		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
157552_c1_36	1859	7081	616	1851	266	3.1e-22
Protein name			Locus Name		Acc#	
			sp:MUTS_AQUPY		P70755	
Description						

DNA MISMATCH REPAIR PROTEIN MUTS

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16595463_f1_4	1860	7082	193	582	458	2.6e-43
Protein name			Locus Name		Acc#	
ribosomal protein L6			pir:E72248		E72248	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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16836062_f1_11	1861	7083	203	612	504	3.4e-48
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Protein name

Locus Name

Acc#

sp:RS4_BACST

P81288

Description

30S RIBOSOMAL PROTEIN S4

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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22540937_f3_29	1862	7084	162	489	318	1.8e-28
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Protein name

Locus Name

Acc#

sp:RL17_PSEAE

O52761

Description

50S RIBOSOMAL PROTEIN L17

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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23475302_f3_28	1863	7085	335	1008	634	5.8e-62
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Protein name

Locus Name

Acc#

sp:RPOA_BACHD

O50634

Description

ALPHA CHAIN) (RNA POLYMERASE ALPHA SUBUNIT)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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235677_f1_3	1864	7086	149	450	373	2.6e-34
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Protein name

Locus Name

Acc#

gp:AB017508

AB017508

Description

Bacillus halodurans C-125 genomic DNA, 32 kb fragment, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23712803_f1_1	1865	7087	186	561	524	2.6e-50
Protein name			Locus Name		Acc#	
			sp:RL5_BACSU		P12877	
Description						
50S RIBOSOMAL PROTEIN L5 (BL6)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24353377_f1_2	1866	7088	100	303	274	8.1e-24
Protein name			Locus Name		Acc#	
ribosomal protein S14			pir:R3EC14			
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24353385_f1_10	1867	7089	73	222	287	3.4e-25
Protein name			Locus Name		Acc#	
initiation factor IF1			gp:AF115283		AF115283	
Description						
Leptospira interrogans S10-spc-alpha locus, complete sequence.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25437550_f1_7	1868	7090	158	477	354	2.7e-32
Protein name			Locus Name		Acc#	
ribosomal protein L15			pir:A72248		A72248	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3019182_f3_30	1869	7091	148	447		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3939377_f1_5	1870	7092	118	357	332	5.8e-30

Protein name

Locus Name

Acc#

sp:RL18_BACSU

Description

50S RIBOSOMAL PROTEIN L18

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4040885_f3_26	1871	7093	127	384	413	1.5e-38

Protein name

Locus Name

Acc#

ribosomal protein S13

gp:AF115283

AF115283

Description

Leptospira interrogans S10-spc-alpha locus, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4334377_f3_25	1872	7094	176	531	443	1.0e-41

Protein name

Locus Name

Acc#

gp:AB017508

AB017508

Description

Bacillus halodurans C-125 genomic DNA, 32 kb fragment, completed cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5117303_f1_9	1873	7095	267	804	673	4.2e-66
Protein name			Locus Name		Acc#	
			gp:AB017508		AB017508	

Description

Bacillus halodurans C-125 genomic DNA, 32 kb fragment, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
578213_f3_31	1874	7096	215	648		
Protein name			Locus Name		Acc#	

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5897177_f2_20.....	1875	7097	134	405	392	2.5e-36
Protein name			Locus Name		Acc#	
			sp:RS11_STRCO		P72403	

Description

30S RIBOSOMAL PROTEIN S11

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9969412_f2_18.....	1876	7098	452	1359	913	1.6e-91
Protein name			Locus Name		Acc#	
preprotein translocase SecY			gp:AF115283		AF115283	

Description

Leptospira interrogans S10-spc-alpha locus, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10742027_c1_170	1877	7099	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12533408_c1_171.....	1878	7100	177	534		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13941932_f1_14.....	1879	7101	759	2280	1022	4.4e-103

Protein name

Locus Name

Acc#

immunoreactive 89kD antigen PG87

gp:AF175722

AF175722

Description

Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14105438_f2_49.....	1880	7102	802	2409	991	8.5e-100

Protein name

Locus Name

Acc#

hypothetical protein Rv0584

pir:G70934

G70934

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1453553_c2_174	1881	7103	1220	3663	1910	4.3e-222
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
beta-galactosidase	gp:AF055482				AF055482	
<u>Description</u>						
Thermotoga neapolitana galactose utilization operon, complete sequence.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22445937_f1_28	1882	7104	378	1137	146	4.2e-07
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein	pir:A75327				A75327	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24301306_c2_179.....	1883	7105	64	195		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24414007_f1_22.....	1884	7106	234	705		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24415930_f2_56	1885	7107	736	2211	430	6.3e-38
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Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24422510_c3_237.....	1886	7108	347	1044	305	5.5e-27
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Protein name

Locus Name

Acc#

hypothetical protein RP407

pir:F71698

F71698

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24490937_f3_113.....	1887	7109	135	408		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24820301_c2_202.....	1888	7110	126	378	121	1.3e-07
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Protein name

Locus Name

Acc#

sp:YHI4_RHOCA

P30791

Description

HYPOTHETICAL PROTEIN IN HIMA 3'REGION (FRAGMENT)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24823562_c3_230	1889	7111	66	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2616636_f1_23	1890	7112	183	552	222	2.6e-18

Protein name

Locus Name

Acc#

conserved hypothetical protein ylbH

pir:E69874

E69874

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26351577_c2_177	1891	7113	389	1170	422	3.5e-38

Protein name

Locus Name

Acc#

sensory transduction histidine kinase
slr2098:protein slr2098:protein slr2098

pir:S75130

S75130

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
272078_f3_112	1892	7114	375	1128	449	2.3e-42

Protein name

Locus Name

Acc#

3-dehydroquinate synthase PAB0298

pir:C75161

C75161

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29332532_c2_196	1893	7115	294	885	156	5.2e-09
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
pobR regulator			gp:PSEY18527		Y18527	
<u>Description</u>						
Pseudomonas sp. pobA, pobR, pcaQ, pcaH and pcaG genes.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29412805_f1_12	1894	7116	199	600	204	2.1e-16
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
RNA polymerase sigma factor SigZ-like protein			gp:AF137263		AF137263	
<u>Description</u>						
Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31328126_c1_149.....	1895	7117	478	1437	144	4.2e-12
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein MJ1519			pir:F64489		F64489	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31408525_f3_121.....	1896	7118	65	198		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33366385_f1_15	1897	7119	766	2301	2410	3.6e-250

Protein name	Locus Name	Acc#
immunoreactive 89kD antigen PG87	gp:AF175722	AF175722

Description

Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34179592_f2_74	1898	7120	430	1293	526	1.9e-61

Protein name	Locus Name	Acc#
3-phosphoshikimate 1-carboxyvinyltransferase, :5-enolpyruvylshikim ate-3-phosphate synthase	pir:JN0758	

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34251302_f3_83.....	1899	7121	876	2631	1368	3.2e-193

Protein name	Locus Name	Acc#
alanyl-tRNA synthetase	gp:AF027500	AF027500

Description

Aquifex pyrophilus alanyl-tRNA synthetase (alaS) gene, completecds; and ATP-dependent Clp protease regulatory subunit (clpA) gene,partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4039063_c2_183.....	1900	7122	146	441		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4113941_c3_208	1901	7123	656	1971	379	3.2e-32
Protein name			Locus Name		Acc#	
lacto-N-biosidase precursor			gp:SSU40488		U40488	
Description						
Streptomyces sp. lacto-N-biosidase precursor gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4173192_f2_57	1902	7124	196	591		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4692208_c2_173.....	1903	7125	499	1500	264	2.6e-49
Protein name			Locus Name		Acc#	
alpha-1,3/4-fucosidase precursor			gp:SSU39394		U39394	
Description						
Streptomyces sp. alpha-1,3/4-fucosidase precursor gene, completecds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4964055_f2_48.....	1904	7126	402	1209	598	3.8e-58
Protein name			Locus Name		Acc#	
putative membrane transport protein.			gp:SCC75A		AL133220	
Description						
Streptomyces coelicolor cosmid C75A.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5162628_f2_60	1905	7127	281	846		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5319637_f2_58	1906	7128	385	1158		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
546925_c2_176	1907	7129	303	912	156	3.3e-11

Protein name

Locus Name

Acc#

PobR

gp:RLU40388

U40388

Description

Rhizobium leguminosarum positive regulator of pobA (pobR) gene, complete cds, and 4-hydroxybenzoate hydroxylase (pobA) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
625032_c2_184	1908	7130	989	2970	166	1.7e-15

Protein name

Locus Name

Acc#

unknown

gp:AF007381

AF007381

Description

Flavobacterium johnsoniae gliding motility protein (gldA) gene, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6306441_f1_17	1909	7131	422	1269	178	5.0e-10

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
634758_c1_140	1910	7132	79	240		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6761652_c2_185.....	1911	7133	503	1512	915	9.6e-92

Protein name

Locus Name

Acc#

sp:YWNE_BACSU

P71040

Description

HYPOTHETICAL 55.8 KD PROTEIN IN SP011Q-MTA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
796950_f2_50.....	1912	7134	342	1029	165	1.0e-09

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor (fiuI), transmembrane sensor (fiuR), and hydroxamate-type ferrisiderophore receptor (fiuA) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1055303_f3_59	1913	7135	76	231		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10797128_f3_58	1914	7136	384	1155	406	8.3e-38

Protein name

Locus Name

Acc#

DNA processing chain A

pir:C72399

C72399

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1293_f2_43	1915	7137	310	933	133	3.2e-06

Protein name

Locus Name

Acc#

sp:EXSA_PSEAE

P26993

Description

EXOENZYME S SYNTHESIS REGULATORY PROTEIN EXSA

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13157626_f1_17	1916	7138	85	258		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
134717_f1_12	1917	7139	322	969	107	0.0016

Protein name

Locus Name

Acc#

hypothetical protein RP870

pir:F71649

F71649

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13678887_f3_67	1918	7140	72	219		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20734627_f2_40	1919	7141	341	1026		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22068817_c2_132	1920	7142	165	498	162	6.0e-12

Protein name

Locus Name

Acc#

RNA polymerase sigma-E factor

pir:H75550

H75550

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22072175_f3_62	1921	7143	833	2502	192	5.0e-11

Protein name

Locus Name

Acc#

tonB-linked receptor Tlr

gp:AF155223

AF155223

Description

Porphyromonas gingivalis tonB-linked receptor Tlr (tlr) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22460876_f2_42	1922	7144	342	1029	111	0.0052
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
71			gp:AF030027			AF030027
<u>Description</u>						
Equine herpesvirus 4 strain NS80567, complete genome.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23634713_f1_22	1923	7145	377	1134	135	3.5e-11
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			gp:PSEOPRC			D28119
<u>Description</u>						
Pseudomonas aeruginosa oprC gene for outer membrane protein C, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23875636_c1_92	1924	7146	96	291	78	0.039
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:YB05_YEAST			P33313
<u>Description</u>						
HYPOTHETICAL 44.1 KD PROTEIN IN RPB5-CDC28 INTERGENIC REGION						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24220312_f1_14	1925	7147	142	429	149	1.4e-10
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:YE94_AQUAE			O67466
<u>Description</u>						
HYPOTHETICAL 15.3 KD PROTEIN AQ_1494						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24335967_c2_103	1926	7148	255	768	744	1.3e-73
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
putative reductase iron-sulfur protein			gp:SCM10		AL133469	
<u>Description</u>						
Streptomyces coelicolor cosmid M10.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24486507_f3_69	1927	7149	211	636	187	3.1e-14
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:Y374_METJA		Q57819	
<u>Description</u>						
HYPOTHETICAL PROTEIN MJ0374						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25397550_f2_31	1928	7150	342	1029	197	8.2e-19
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
probable UDP-glucose 4-epimerase			pir:A71183		A71183	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26345025_c1_95	1929	7151	164	495	160	9.7e-12
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
nimD protein			pir:I40187			
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31445427_c1_85	1930	7152	330	993	576	8.1e-56

Protein name

Locus Name

Acc#

sp:YACF_BACSU

P37567

Description

HYPOTHETICAL 37.1 KD PROTEIN IN FOLK-LYSS INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33397252_c3_140	1931	7153	652	1959	2133	8.2e-221

Protein name

Locus Name

Acc#

putative reductase flavoprotein subunit

gp:SCM10

AL133469

Description

Streptomyces coelicolor cosmid M10.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33728400_c3_138	1932	7154	292	879	138	7.2e-07

Protein name

Locus Name

Acc#

sp:EXSA_PSEAE

P26993

Description

EXOENZYME S SYNTHESIS REGULATORY PROTEIN EXSA

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34197186_f2_30	1933	7155	300	903	494	3.9e-47

Protein name

Locus Name

Acc#

cation efflux system homolog ydfM

pir:C69781

C69781

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34379406_c1_78	1934	7156	74	225	74	0.013
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
citrate synthase			gp:BBU28076			U28076
<u>Description</u>						
Bartonella bacilliformis citrate synthase (glTA) gene, partial cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36361057_f3_50	1935	7157	317	954	980	1.2e-98
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
O-acetylserine(thiol)-lyase-A related protein			gp:AF174138			AF174138
<u>Description</u>						
Methanosarcina barkeri O-acetylserine(thiol)-lyase-A related protein (cysK) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4025375_f3_57	1936	7158	425	1278	1537	1.2e-157
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
collagenase			gp:AB006973			AB006973
<u>Description</u>						
Porphyromonas gingivalis DNA for collagenase, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4117202_f2_41	1937	7159	321	966	81	0.043
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:RL12_HALVO			P41197
<u>Description</u>						
50S RIBOSOMAL PROTEIN L12 ('A' TYPE)						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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4789162_c1_91	1938	7160	718	2157	1190	7.0e-121
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Protein name

Locus Name

Acc#

conserved hypothetical protein yvaJ

pir:G70027

G70027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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5095937_f1_21	1939	7161	409	1230		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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5994790_f3_49	1940	7162	286	861	281	3.2e-24
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Protein name

Locus Name

Acc#

probable lipase

pir:C75472

C75472

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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6053885_c2_101	1941	7163	64	195		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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6444187_c1_94	1942	7164	206	621		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
781703_f2_36	1943	7165	239	720	96	0.0070
Protein name			Locus Name		Acc#	
hypothetical protein			gp:PAU243397		AJ243397	
Description						
Pseudomonas aureofaciens partial bolA gene and ORF1 DNA.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
867012_c2_102	1944	7166	234	705	199	7.2e-16
Protein name			Locus Name		Acc#	
putative cytochrome B subunit			gp:SCM10		AL133469	
Description						
Streptomyces coelicolor cosmid M10.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2141962_c3_52	1945	7167	132	399	179	9.5e-14
Protein name			Locus Name		Acc#	
MecI protein			gp:SSK3MECA2		Y13095	
Description						
S.sciuri mecA2 gene, strain K3 (MM2).						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23634637_f1_14	1946	7168	291	876	113	0.0010
Protein name			Locus Name		Acc#	
immunoglobulin-Fc-binding protein			gp:SPFCRA2		X73159	
Description						
S.pyogenes fcrA2 gene for Ig-Fc-binding protein.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648410_c2_41	1947	7169	1097	3294	289	4.2e-37
Protein name			Locus Name		Acc#	
hypothetical protein c0624			pir:S73091		S73091	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25822143_c3_53	1948	7170	731	2196	114	0.0037
Protein name			Locus Name		Acc#	
			sp:BLAR_STAAU		P18357	
Description						
REGULATORY PROTEIN BLAR1						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35159632_f3_27	1949	7171	76	231	54	0.022
Protein name			Locus Name		Acc#	
extracellular protein Exp4 precursor			gp:LLU95836		U95836	
Description						
Lactococcus lactis extracellular protein Exp4 precursor, gene, partial cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4178387_c1_38	1950	7172	317	954	750	2.9e-74
Protein name			Locus Name		Acc#	
			sp:MDH_CHLAU		P80040	
Description						
MALATE DEHYDROGENASE,						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4725192_f3_26	1951	7173	676	2031	159	2.7e-13
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein F14F9.5	pir:T33774				T33774	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24337765_c3_16.....	1952	7174	762	2286	673	6.1e-69
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
115K outer membrane protein precursor:SusC protein	pir:JC6027				JC6027	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2477187_c3_15.....	1953	7175	60	183		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35235700_f2_6.....	1954	7176	62	189		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5991061_c1_11	1955	7177	227	684	859	8.3e-86

Protein name	Locus Name	Acc#
Phosphoenolpyruvate carboxykinase	gp:AB016600	AB016600

Description

Selenomonas ruminantium gene for Phosphoenolpyruvate carboxykinase, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10009393_c1_53	1956	7178	71	216		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13103563_f3_37.....	1957	7179	375	1128	248	5.3e-21

Protein name	Locus Name	Acc#
probable histidinol phosphatase	pir:F75515	F75515

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14587752_f3_39.....	1958	7180	165	498	345	2.4e-31

Protein name	Locus Name	Acc#
	sp:RISB_BACAM	Q44681

Description

(LOMAZINE SYNTHASE) (RIBOFLAVIN SYNTHASE BETA CHAIN)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
17092_c1_50	1959	7181	395	1188	474	5.2e-45
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			gp:AB013492		AB013492	
<u>Description</u>						
Bacillus halodurans C-125 genomic DNA, 9A/3S' fragment, cloneALBAC001.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1954562_f1_5	1960	7182	366	1101	1505	2.9e-154
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:G3P_BACFR		Q59199	
<u>Description</u>						
(FRAGMENT)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23958125_c2_76.....	1961	7183	517	1554	1411	2.6e-144
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:GUAA_ECOLI		P04079	
<u>Description</u>						
AMIDOTRANSFERASE) (GMP SYNTHETASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24017187_f2_25.....	1962	7184	236	711	109	0.00037
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:YA57_ACTAC		O52728	
<u>Description</u>						
HYPOTHETICAL PROTEIN 1057						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
240762_c1_46	1963	7185	62	189		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24229038_f2_19	1964	7186	716	2151	1255	9.0e-128

Protein name

Locus Name

Acc#

sp:OPDA_ECOLI

P27298

Description

OLIGOPEPTIDASE A,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24431425_f3_36	1965	7187	82	249	78	0.0054

Protein name

Locus Name

Acc#

gp:MGU34967

U34967

Description

Mycoplasma genitalium repetitive sequence element mgp-r4.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24508512_c3_83	1966	7188	102	309	100	2.2e-05

Protein name

Locus Name

Acc#

hypothetical protein

pir:D72328

D72328

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24645176_f3_41	1967	7189	427	1284	743	1.6e-73
Protein name			Locus Name		Acc#	
probable oxidoreductase			gp:SCF11		AL132662	
Description						
Streptomyces coelicolor cosmid F11.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648437_f2_20	1968	7190	171	516		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26595836_f1_6	1969	7191	147	444	292	1.0e-25
Protein name			Locus Name		Acc#	
dCMP deaminase homolog			pir:C69470		C69470	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3009632_f2_16	1970	7192	675	2028		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34175162_f1_7	1971	7193	184	555	331	7.4e-30
Protein name			Locus Name		Acc#	
conserved hypothetical protein aq_1731			pir:C70449		C70449	
Description						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34407937_f3_35	1972	7194	494	1485	538	8.6e-52

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
carboxyl-terminal proteinase	pir:F70369	F70369

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36328387_c2_58	1973	7195	609	1830		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36370312_c2_75	1974	7196	148	447	405	1.1e-37

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
	sp:MSCL_ECOLI	P23867

Description

LARGE-CONDUCTANCE MECHANOSENSITIVE CHANNEL

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6538962_c1_49	1975	7197	138	417		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
782642_c2_77	1976	7198	66	201		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16659411_f2_19	1977	7199	83	252	183	1.9e-13

Protein name Locus Name Acc#

hypothetical protein pir:JQ1020 JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2741687_c1_28	1978	7200	696	2091	281	1.4e-23

Protein name Locus Name Acc#

conserved hypothetical protein MTH83 pir:F69210 F69210

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3942136_c3_38	1979	7201	649	1950	1708	8.9e-176

Protein name Locus Name Acc#

threonyl-tRNA synthetase pir:B75317 B75317

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4711562_f2_18	1980	7202	421	1266		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7032800_c1_30	1981	7203	116	348	262	1.5e-22

Protein name

Locus Name

Acc#

sp:IF3_HAEIN

P43814

Description

TRANSLATION INITIATION FACTOR IF-3

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10741260_c2_21	1982	7204	74	225	110	1.9e-06

Protein name

Locus Name

Acc#

sp:RL29_BACST

P04457

Description

50S RIBOSOMAL PROTEIN L29

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1204063_c3_23	1983	7205	146	441	461	1.2e-43

Protein name

Locus Name

Acc#

sp:RL16_SYNY3

P73313

Description

50S RIBOSOMAL PROTEIN L16

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24399202_c1_16	1984	7206	244	735	639	1.7e-62

Protein name

Locus Name

Acc#

gp:AB017508

AB017508

Description

Bacillus halodurans C-125 genomic DNA, 32 kb fragment, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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26600312_c1_14	1985	7207	210	633	486	2.8e-46
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Protein name

Locus Name

Acc#

sp:RL4_BACST

P28601

Description

50S RIBOSOMAL PROTEIN L4

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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31525257_c3_22	1986	7208	90	273	326	2.5e-29
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Protein name

Locus Name

Acc#

ribosomal protein S19

pir:H72249

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4688811_c1_15	1987	7209	279	840	853	3.6e-85
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Protein name

Locus Name

Acc#

gp:AB017508

AB017508

Description

Bacillus halodurans C-125 genomic DNA, 32 kb fragment, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4978427_c2_19	1988	7210	97	294	173	4.1e-13
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Protein name

Locus Name

Acc#

sp:RL23_SYNY3

P73318

Description

50S RIBOSOMAL PROTEIN L23

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5976007_f3_12	1989	7211	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
659702_c1_18	1990	7212	89	270	278	3.1e-24

Protein name

Locus Name

Acc#

ribosomal protein S17

pir:C72249

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6829637_c2_20	1991	7213	143	432	231	2.9e-19

Protein name

Locus Name

Acc#

sp:RL22_ECOLI

P02423

Description

50S RIBOSOMAL PROTEIN L22

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11924131_f1_14	1992	7214	245	735		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
I2284405_f1_1	1993	7215	400	1203	279	7.7e-23

Protein name

Locus Name

Acc#

sp:RFBX_SALTY

P26400

Description

PUTATIVE O-ANTIGEN TRANSPORTER

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
I251537_c2_67	1994	7216	61	186	81	0.014

Protein name

Locus Name

Acc#

gp:CEY39C12A

AL132859

Description

Caenorhabditis elegans cosmid Y39C12A, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
I366500_f1_3	1995	7217	383	1152	158	9.7e-09

Protein name

Locus Name

Acc#

hypothetical protein 17.9

pir:S22619

S22619

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
I3710902_f3_32	1996	7218	407	1224	142	1.1e-06

Protein name

Locus Name

Acc#

putative membrane protein

gp:SPN131984

AJ131984

Description

Streptococcus pneumoniae cap37 locus.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14882818_c2_76	1997	7219	93	282	165	2.9e-12

Protein name

Locus Name

Acc#

sp:DBH_BACST

Description

DNA-BINDING PROTEIN II (HB) (HU)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15822135_f3_31	1998	7220	309	930	241	2.5e-20

Protein name

Locus Name

Acc#

sp:Y868_HAEIN

Description

PUTATIVE GLYCOSYL TRANSFERASE HI0868,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
161592_f3_30.....	1999	7221	321	966	194	3.1e-13

Protein name

Locus Name

Acc#

WbcD

gp:YEU46859

Description

Yersinia enterocolitica lipopolysaccharide O-side chain biosynthesis genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19697126_f3_37.....	2000	7222	316	951	1366	1.6e-139

Protein name

Locus Name

Acc#

putative UDP-GlcNAc:undecaprenylphosphate

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1989077_f3_36	2001	7223	320	963	809	2.4e-147

Protein name	Locus Name	Acc#
UDP-glucose-4-epimerase/dTDP-glucose-4,6	gp:AF048749	AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20350437_f2_15	2002	7224	253	762	362	3.8e-33

Protein name	Locus Name	Acc#
unknown	gp:AF078135	AF078135

Description

Leptospira borgpetersenii lipopolysaccharide o-antigen biosynthetic locus, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21879191_f3_40.....	2003	7225	239	720	129	2.6e-06

Protein name	Locus Name	Acc#
lipopeptide antibiotic iturin A biosynthesis protein:protein slr0495:protein slr0495	pir:S74408	S74408

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22304007_f2_29.....	2004	7226	404	1215		

Protein name	Locus Name	Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23945251_f1_11	2005	7227	453	1362	542	3.2e-52
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hemolysin-related protein			pir:F72326		F72326	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24410751_c2_85	2006	7228	64	195		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24426550_f1_8	2007	7229	370	1113	594	1.0e-57
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
A/G-specific adenine glycosylase homolog yfhQ			pir:A69802		A69802	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24813137_f1_10	2008	7230	156	471	331	7.4e-30
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
single stranded DNA-binding protein			gp:SHU64098		U64098	
<u>Description</u>						

Shewanella hanedai single stranded DNA-binding protein (ssb) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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2537767_c2_88	2009	7231	105	315	76	0.0077
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Protein name	Locus Name	Acc#
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host shut off virion protein	gp:CHDNACSO	X89471
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Description

Canine herpesvirus DNA for capsid and host shut off virion proteingenes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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26303426_c3_102	2010	7232	77	234		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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26376260_f2_26.....	2011	7233	781	2346		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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32637_f3_35.....	2012	7234	262	789	249	3.6e-21
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Protein name	Locus Name	Acc#
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rhamnosyl transferase	gp:AF097519	AF097519
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Description

Klebsiella pneumoniae dTDP-D-glucose 4,6 dehydratase (rmlB), glucose-1-phosphate thymidyl transferase (rmlA), dTDP-4-keto-L-rhamnose reductase (rmlD), dTDP-4-keto-6-deoxy-D-glucose 3,5-epimerase (rmlC), and rhamnosyltransferase (wbbL) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34101512_c2_68	2013	7235	110	333	172	5.2e-13
Protein name			Locus Name		Acc#	
conserved hypothetical protein			pir:G75347		G75347	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4023377...f1_2.....	2014	7236	318	957	79	0.023
Protein name			Locus Name		Acc#	
ribosomal protein S10			gp:U17009		U17009	
Description						
Phytophthora infestans mitochondrion, complete genome.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4719137...c1_65.....	2015	7237	61	186		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4728313...f2_16.....	2016	7238	254	765	348	1.2e-31
Protein name			Locus Name		Acc#	
putative glycosyl transferase			gp:AF048749		AF048749	
Description						
Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4875677_f1_9	2017	7239	526	1581	297	1.2e-45

Protein name

Locus Name

Acc#

sp:STS_HUMAN

P08842

Description

SULFATE SULFOHYDROLASE) (ARYLSULFATASE C) (ASC)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5273377_f3_33	2018	7240	299	900		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5287507_f1_13	2019	7241	291	876		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
582628_c3_92	2020	7242	123	372	118	2.8e-07

Protein name

Locus Name

Acc#

YjdI-like protein

gp:LLLNISZ

Y13384

Description

Lactococcus lactis nisZ gene and 3 ORF's.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6015692_f3_45	2021	7243	68	207	86	0.0011
Protein name			Locus Name		Acc#	
cryptogene protein G4			pir:S51910		S51910	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7240938_c1_63	2022	7244	527	1584	631	5.5e-76
Protein name			Locus Name		Acc#	
			sp:CAFA_HAEIN		P45175	
Description						
CYTOPLASMIC AXIAL FILAMENT PROTEIN						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9954652_f3_34	2023	7245	207	624	424	1.0e-39
Protein name			Locus Name		Acc#	
			sp:WBBJ_ECOLI			
Description						
(EC 2.3.1.-)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10558252_f2_8	2024	7246	335	1008	88	0.0017
Protein name			Locus Name		Acc#	
transposase			gp:AF038866		AF038866	
Description						
Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12351376_f2_7	2025	7247	529	1590	1357	1.4e-138

Protein name	Locus Name	Acc#
unknown	gp:AF125164	AF125164

Description

Bacteroides fragilis 638R polysaccharide B (PS B2) biosynthesis locus, complete sequence; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16102032_f2_6	2026	7248	68	207		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25962692...c3...33.....	2027	7249	104	315		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31770636_f2_4.....	2028	7250	305	918	95	0.013

Protein name	Locus Name	Acc#
	gp:AB021078	AB021078

Description

plasmid Col1b-P9 DNA, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
7089527_f3_11	2029	7251	74	225		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
196952_f3_10	2030	7252	509	1530		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
203177_f1_3	2031	7253	362	1089		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23633438_c3_38	2032	7254	67	204		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23635900_f2_6	2033	7255	344	1035		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24649063_f1_2	2034	7256	345	1038		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35632826_f2_7	2035	7257	227	684		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
45317951_f2_5	2036	7258	646	1941	233	4.5e-18

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7275081_f1_1	2037	7259	246	741	157	4.8e-16

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10552188_c3_304	2038	7260	170	513	158	5.9e-14
Protein name			Locus Name		Acc#	
glucosamine--fructose-6-phosphate aminotransferase PAB2201			pir:F75212		F75212	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10735812_f1_17.....	2039	7261	112	339	154	4.4e-10
Protein name			Locus Name		Acc#	
			sp:ASNB_ECOLI		P22106	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10744013_c1_192.....	2040	7262	189	570	114	3.0e-05
Protein name			Locus Name		Acc#	
hypothetical protein Rv1624c			pir:F70558		F70558	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10991288_f1_36.....	2041	7263	220	663	291	1.3e-25
Protein name			Locus Name		Acc#	
			sp:TRPF_THEMEA		Q56320	
Description						

N- (5'-PHOSPHORIBOSYL) ANTHRANILATE ISOMERASE, (PRAI)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11879400_c2_208	2042	7264	774	2325	243	6.9e-17
Protein name			Locus Name		Acc#	
			sp:CIRA_ECOLI		P17315	
Description						
COLICIN I RECEPTOR PRECURSOR						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12125931_f3_144	2043	7265	214	645	220	4.3e-18
Protein name			Locus Name		Acc#	
2,3,4,5-tetrahydropyridine-2-carboxylate N-succinyltransferase-related protein			pir:H72245		H72245	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12213186_f3_148	2044	7266	210	633	336	2.2e-30
Protein name			Locus Name		Acc#	
flavodoxin			pir:H71850		H71850	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1228787_f3_136	2045	7267	486	1461	718	7.2e-71
Protein name			Locus Name		Acc#	
anthranilate synthase, component I			pir:D72414			
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12988762_f3_145	2046	7268	69	210	82	0.026

Protein name

Locus Name

Acc#

sp:NU5M_PETMA

Q35543

Description

NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14336463_c2_209	2047	7269	340	1023	332	6.1e-45

Protein name

Locus Name

Acc#

hypothetical protein

pir:D72115

D72115

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14354642_f1_8	2048	7270	449	1350		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14632808_f3_142	2049	7271	813	2442		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14726593_f1_24	2050	7272	101	306	163	2.7e-11

Protein name

Locus Name

Acc#

hypothetical protein

pir:S76639

S76639

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15656537_c3_309	2051	7273	446	1341	133	1.3e-05
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein aq_1059	pir:C70391				C70391	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16832885_c3_293	2052	7274	431	1296	1723	2.3e-177
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein	pir:JQ1020				JQ1020	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
182832_c1_203	2053	7275	384	1155	1034	2.4e-104
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
carbamoyl phosphate synthetase III	gp:FR24G11				Z93780	
<u>Description</u>						
Fugu rubripes genes encoding carbamoyl phosphate synthetase III, myosin light chain, MAP2.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19578255_f2_87	2054	7276	231	696	460	1.6e-43
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
	sp:TRPG_THEMEA				Q08654	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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1964390_f2_83	2055	7277	97	294	83	0.035
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Protein name

Locus Name

Acc#

hypothetical protein HeIE

pir:T08605

T08605

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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19955328_f3_123	2056	7278	498	1497		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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2111262_f1_37	2057	7279	362	1089	736	8.9e-73
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Protein name

Locus Name

Acc#

sp:ASG1_ECOLI

P18840

Description

(L-ASNASE I)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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2131327_f1_40	2058	7280	386	1161	198	3.4e-32
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Protein name

Locus Name

Acc#

Cps9F

gp:AF155805

AF155805

Description

Streptococcus suis strain 5218 Cps9D (cps9D) gene, partial cds; Cps9E (cps9E), Cps9F (cps9F), and Cps9G (cps9G) genes, complete cds; and Cps9H (cps9H) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22033141_c1_162	2059	7281	140	423		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22270175_f1_21	2060	7282	300	903	186	1.8e-11

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22304531_f1_31	2061	7283	401	1206	1218	7.5e-124

Protein name

Locus Name

Acc#

sp:TRPB_THEMEA

P50909

Description

TRYPTOPHAN SYNTHASE BETA CHAIN,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22460027_f3_151	2062	7284	90	273		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_c1_190	2063	7285	83	252	64	0.031

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23600812_c1_169	2064	7286	104	315		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23650256_c3_289.....	2065	7287	382	1149	971	1.1e-97

Protein name

Locus Name

Acc#

sp:YQHD_ECOLI

Q46856

Description

HYPOTHETICAL OXIDOREDUCTASE IN METC-SUFI INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23851532_c1_204.....	2066	7288	1084	3255	3165	0.0

Protein name

Locus Name

Acc#

sp:PYRI_DICDI

P20054

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24022162_f3_147	2067	7289	395	1188	1161	8.2e-118

Protein name

Locus Name

Acc#

sp:PU91_YEAST

P54113

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24026537_f1_23	2068	7290	313	942	962	1.0e-96

Protein name

Locus Name

Acc#

aspartate aminotransferase related protein

pir:E69168

E69168

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24081580_f3_121	2069	7291	505	1518	1698	1.0e-174

Protein name

Locus Name

Acc#

gp:AB025342

AB025342

Description

Moritella marina genes, complete cds, similar to eicosapentaenoic acid synthesis gene cluster.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24267843_f2_81	2070	7292	284	855	244	1.2e-20

Protein name

Locus Name

Acc#

exopolyphosphatase

pir:E70376

E70376

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24317552_f3_143	2071	7293	331	996		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24429187_f3_152	2072	7294	165	498	324	4.1e-29

Protein name

Locus Name

Acc#

sp:THIO_BORBU

051088

Description

THIOREDOXIN (TRX)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24486082_f1_35	2073	7295	281	846	436	5.5e-41

Protein name

Locus Name

Acc#

sp:TRPC_PSEPU

P20578

Description

INDOLE-3-GLYCEROL PHOSPHATE SYNTHASE, (IGPS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
245927_c1_173	2074	7296	238	717		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24641962_f3_140	2075	7297	265	798	407	6.5e-38

Protein name

Locus Name

Acc#

sp:TRPA_METVO

P14637

Description

TRYPTOPHAN SYNTHASE ALPHA CHAIN,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24645650_c2_265	2076	7298	388	1167		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26820202_f3_131	2077	7299	73	222		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2744752_f2_71	2078	7300	269	810	148	8.9e-09

Protein name

Locus Name

Acc#

probable glycerophosphoryl diester
phosphodiesterase

pir:G75506

G75506

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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2914202_c3_305	2079	7301	627	1884	151	1.2e-23
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Protein name

Locus Name

Acc#

sp:PUR1_HAEIN

P43854

Description

PHOSPHORIBOSYLPYROPHOSPHATE AMIDOTRANSFERASE) (ATASE) (GPATASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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2926562_f2_99	2080	7302	352	1059	221	5.2e-18
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Protein name

Locus Name

Acc#

subunit of the terminal oxidase with unknown

gp:AADOXP24H

Y08730

Description

A.ambivalens doxA gene locus with doxD and doxA genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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2947687_c2_263	2081	7303	119	360	152	6.9e-11
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Protein name

Locus Name

Acc#

probable thioredoxin

pir:T08271

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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31672007_f3_130	2082	7304	692	2079	1338	1.4e-136
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Protein name

Locus Name

Acc#

polyphosphate kinase

gp:AF083928

AF083928

Description

Vibrio cholerae polyphosphate kinase (ppk) and exopolyphosphatase (ppx) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31750887_c3_285	2083	7305	75	228	101	1.7e-05

Protein name

Locus Name

Acc#

hypothetical protein APE2554

pir:C72489

C72489

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32440650_c2_243.....	2084	7306	547	1644	79	0.0024

Protein name

Locus Name

Acc#

gp:CELB0454

AF025452

Description

Caenorhabditis elegans cosmid B0454.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32458331_f3_137.....	2085	7307	342	1029	541	4.1e-52

Protein name

Locus Name

Acc#

sp:TRPD_METJA

Q57686

Description

ANTHRANILATE PHOSPHORIBOSYLTRANSFERASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33398412_c2_266.....	2086	7308	151	453	109	4.1e-05

Protein name

Locus Name

Acc#

immunoreactive 36 kDa antigen PG14

gp:AF145798

AF145798

Description

Porphyromonas gingivalis strain W50 immunoreactive 36 kDa antigenPGI4 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3376327_f3_106	2087	7309	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34017302_f3_126	2088	7310	303	912	550	4.6e-53

Protein name

Locus Name

Acc#

sp:DAPF_SYNY3

P74667

Description

DIAMINOPIMELATE EPIMERASE, (DAP EPIMERASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34235700_f3_129	2089	7311	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35345063_f3_161	2090	7312	66	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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35392907_f2_75	2091	7313	92	279	258	7.2e-22
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Protein name

Locus Name

Acc#

aspartate aminotransferase related protein

pir:E69168

E69168

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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36136262_c2_216	2092	7314	210	633	136	5.5e-12
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Protein name

Locus Name

Acc#

probable response regulator

pir:T34675

T34675

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4082762_c1_165	2093	7315	378	1137	474	5.2e-45
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Protein name

Locus Name

Acc#

sp:MAUG_PARDE

Q51658

Description

METHYLAMINE UTILIZATION PROTEIN MAUG PRECURSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4379433_f1_39	2094	7316	143	432	203	5.7e-15
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Protein name

Locus Name

Acc#

bZIP histidine kinase

gp:PPUY18245

Y18245

Description

Pseudomonas putida todX, todF, todC1, todC2, todB, todA, todD, todE, todG, todI, todH, todS, todT genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6057812_f1_43	2095	7317	134	405		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
806512_f1_5	2096	7318	321	966	194	1.2e-13

Protein name

Locus Name

Acc#

PobR protein

gp:PPU251792

AJ251792

Description

Pseudomonas putida pobR gene for PobR protein and pobA gene for Poba protein.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11816716_c3_86	2097	7319	78	237	119	2.8e-07

Protein name

Locus Name

Acc#

gp:D90701

Description

Escherichia coli genomic DNA. (13.6 - 14.0 min).

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16051540_c1_63	2098	7320	122	369		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20203951_c1_55	2099	7321	90	273		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20895303_f1_11	2100	7322	1045	3138		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22687817_c3_100	2101	7323	126	381		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24335781_f2_25	2102	7324	140	423	77	0.0064

Protein name

Locus Name

Acc#

sp:NOLP_RHILP

P23717

Description

NODULATION PROTEIN NOLP

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24727127_c3_102	2103	7325	155	468	243	2.1e-20

Protein name	Locus Name	Acc#
putative oxygen-independent coproporphyrinogen	gp:AF157642	AF157642

Description

Desulfitobacterium dehalogenans putative oxygen-independent coproporphyrinogen III oxidase (hemN) gene, partial cds; Hrd22-1 (hrd22-1) gene, complete cds; and two-component sensor histidine kinase homolog (hkhB) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25494062_c3_99	2104	7326	84	255		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26594127_f3_40	2105	7327	536	1611	2764	1.1e-287

Protein name	Locus Name	Acc#
mobilization protein C	gp:AF118243	AF118243

Description

Bacteroides fragilis mobilization protein C (mobC) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26602175_c1_62	2106	7328	229	690	171	6.7e-13

Protein name	Locus Name	Acc#
RNA polymerase sigma factor SigZ-like protein	gp:AF137263	AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33708427_c1_43	2107	7329	157	474		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34412578_f1_1	2108	7330	102	309		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36367837_c1_44	2109	7331	423	1272	531	4.0e-55

Protein name

Locus Name

Acc#

sp:YBDN_ECOLI

P77216

Description

HYPOTHETICAL 47.8 KD PROTEIN IN CSTA-DSBG INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4032950_f1_3	2110	7332	296	891		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4103377_f2_28	2111	7333	118	357		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4180181_c2_68	2112	7334	126	381	265	7.3e-23

Protein name Locus Name Acc#

unknown gp:AF118244 AF118244

Description

Bacteroides fragilis unknown gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4406908_c1_46	2113	7335	69	210	199	7.2e-16

Protein name Locus Name Acc#

sp:YBDM_ECOLI P77174

Description

HYPOTHETICAL 23.9 KD PROTEIN IN CSTA-DSBG INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4486052_f1_2	2114	7336	69	210		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6287687_f1_10	2115	7337	439	1320	130	3.1e-05
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
M protein			gp:SSGEMM			X60098
<u>Description</u>						
Streptococcus sp. (group G) emm gene for M protein.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6522533_c2_81	2116	7338	213	642	120	4.3e-05
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
probable transposase for IS1558			pir:F70678			F70678
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9897137_c3_103.....	2117	7339	102	309	83	0.0087
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
coproporphyrinogen III oxidase			gp:BSHRCA			Y09446
<u>Description</u>						
B.stearothermophilus hemN gene (partial) and hrCA gene.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14463305_c3_24.....	2118	7340	520	1563	1215	1.6e-123
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
50 kD antigen PG1			gp:AF144076			AF144076
<u>Description</u>						
Porphyromonas gingivalis strain W50 50 kD antigen PG1 gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16603425_c1_18	2119	7341	361	1083	558	1.7e-68

Protein name

Locus Name

Acc#

NqrB

gp:AF165980

AF165980

Description

Vibrio harveyi Na⁺-translocating NADH-quinone oxidoreductase complex operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19775252_f2_8	2120	7342	432	1299		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30728302_c3_23	2121	7343	355	1068	707	1.1e-69

Protein name

Locus Name

Acc#

sp:BLMH_RAT

P70645

Description

BLEOMYCIN HYDROLASE, (BLM HYDROLASE) (BMH)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13845052_c3_49	2122	7344	812	2439	649	3.1e-82

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1953386_f3_23	2123	7345	148	447		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19553528_g1_32	2124	7346	101	306	99	2.8e-05

Protein name

Locus Name

Acc#

sp:Y660_HAEIN

P44031

Description

HYPOTHETICAL PROTEIN HI0660

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21988900_f2_17	2125	7347	316	951		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23492761_f1_6	2126	7348	89	270		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23610933_c1_26	2127	7349	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23643903_f1_3	2128	7350	121	366		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24494056_f1_7	2129	7351	498	1494	481	1.1e-44

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein.

pir:JC6027

JC6027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24892087_c1_36	2130	7352	332	996	178	2.9e-10

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29691536_f2_13	2131	7353	89	270		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31414132_c2_41	2132	7354	68	207		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
7245312_c3_47	2133	7355	101	306	101	1.7e-05

Protein name

Locus Name

Acc#

putative transcriptional regulator

gp:YPPCP1

AL109969

Description

Yersinia pestis plasmid pPCP1.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1360802_f3_34	2134	7356	373	1122		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13884652_f3_32	2135	7357	125	378	259	2.2e-21

Protein name

Locus Name

Acc#

sp:TRA2_BACFR

Q45119

Description

TRANSPOSASE FOR INSERTION SEQUENCE ELEMENT IS21-LIKE

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14556510_f3_30	2136	7358	209	630	396	9.6e-37

Protein name

Locus Name

Acc#

YadS

gp:AF198617

AF198617

Description

Aeromonas caviae polar flagella locus, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
195337_f3_33	2137	7359	103	312		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20815912_c2_56	2138	7360	446	1341	494	3.9e-47

Protein name

Locus Name

Acc#

lipopolysaccharide biosynthesis protein bplD homolog

pir:G64487

G64487

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25422952_f1_12	2139	7361	165	498		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26174037_f1_9	2140	7362	88	267		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26581625_f3_35	2141	7363	320	963		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30523513_c1_47	2142	7364	731	2193	122	0.00035

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4006551_f1_10	2143	7365	110	333		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4087502_c1_45	2144	7366	179	540		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4100342_f1_8	2145	7367	65	198		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
7034587_f2_22	2146	7368	104	315	81	0.0058

Protein name

Locus Name

Acc#

sp:ZN90_HUMAN

Q03938

Description

ZINC FINGER PROTEIN 90 (ZINC FINGER PROTEIN HTF9) (FRAGMENT)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16525383_c2_37	2147	7369	119	360		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32665833_c1_32	2148	7370	577	1731	150	3.4e-07

Protein name

Locus Name

Acc#

immunoreactive 53 kD antigen PG123

gp:AF144641

AF144641

Description

Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigenPG123 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36226558_c1_31	2149	7371	118	357		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36363967_c2_34	2150	7372	109	330		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36525317_c1_28	2151	7373	95	288		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36679717_c2_33	2152	7374	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5332628_c3_42	2153	7375	73	222		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6459782_c2_35	2154	7376	138	417		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23992175_c3_29	2155	7377	432	1296		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24006387_f1_4	2156	7378	763	2292	613	6.0e-59

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24511625_f1_5	2157	7379	70	213	52	0.042
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Protein name

Locus Name

Acc#

heat shock transcription factor HSF21

pir:S59537

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24666656_f2_6	2158	7380	397	1194	229	1.5e-16
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Protein name

Locus Name

Acc#

dipeptidase homolog

gp:AF060858

AF060858

Description

Salmonella dublin regulatory protein CopR (copR), histidine kinase(copS), SPI-4 pathogenicity island containing dipeptidase homolog(pipD), SopB (sopB), PipC (pipC), PipB (pipB), and PipA (pipA)genes, complete cds; and tRNA-Ser gene, complete sequence; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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33412762_f1_2	2159	7381	586	1761	1163	5.0e-118
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Protein name

Locus Name

Acc#

sp:YHXB_BACSU

P18159

Description

PROBABLE PHOSPHOMANNOMUTASE, (PMM)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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34119717_f3_12	2160	7382	64	195		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3912688_c2_26	2161	7383	81	246		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4344035_f3_13	2162	7384	314	945	135	2.4e-06

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor (fiuI), transmembrane sensor (fiuR), and hydroxamate-type ferrisiderophore receptor (fiuA) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4735655_f2_9	2163	7385	195	588	199	7.2e-16

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3001688_f3_13	2164	7386	629	1890	1567	7.8e-161

Protein name

Locus Name

Acc#

sp:PAE_BORBU

Q59189

Description

TOPOISOMERASE IV SUBUNIT B,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33361630_f2_9	2165	7387	160	483	305	4.2e-27
Protein name			Locus Name			Acc#
probable KDO transferase			pir:T35652			T35652
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33707761_c3_32	2166	7388	146	441	131	1.2e-08
Protein name			Locus Name			Acc#
hypothetical protein PH0474			pir:E71159			E71159
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4038927_f1_1	2167	7389	381	1146	331	7.4e-30
Protein name			Locus Name			Acc#
hypothetical protein b2981			pir:C65084			C65084
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4195250_f3_11	2168	7390	323	972	627	3.2e-61
Protein name			Locus Name			Acc#
conserved hypothetical protein aq_066			pir:E70306			E70306
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5126407_f2_10	2169	7391	306	921	409	4.0e-38
Protein name			Locus Name			Acc#
carboxy-terminal processing proteinase ctpA, :tail-specific endopeptidase Prc			pir:B69610			
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14664017_c3_5	2170	7392	209	627	376	1.9e-33

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24257800_f2_2	2171	7393	398	1197	343	4.0e-31

Protein name

Locus Name

Acc#

transposase

gp:AF038866

AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12687687_f3_16	2172	7394	156	471	147	2.5e-10

Protein name

Locus Name

Acc#

sp:CUTF_ECOLI

P40710

Description

COPPER HOMEOSTASIS PROTEIN CUTF PRECURSOR (LIPOPROTEIN NLPE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14067057_f1_8	2173	7395	738	2217	863	3.1e-86

Protein name

Locus Name

Acc#

Na⁺/H⁺-exchanging protein slr1595:Na⁺/H⁺ antiporter:Na⁺/H⁺ antiporter

pir:S74951

S74951

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14354762_f3_15	2174	7396	117	354	90	0.0020
Protein name			Locus Name			Acc#
			gp:CEY111B2C			AL132906
Description						
Caenorhabditis elegans cosmid Y111B2C, complete sequence.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_f2_14	2175	7397	182	546	702	3.6e-69
Protein name			Locus Name			Acc#
hypothetical protein			pir:JQ1020			JQ1020
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_f3_26	2176	7398	83	252	64	0.031
Protein name			Locus Name			Acc#
			sp:SPRC_XENLA			P36378
Description						
(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24412566_f2_13	2177	7399	358	1077	153	1.1e-07
Protein name			Locus Name			Acc#
KIAA0850 protein			gp:AB020657			AB020657
Description						
Homo sapiens mRNA for KIAA0850 protein, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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34181531_c1_33	2178	7400	402	1209	86	0.0058
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Protein name

Locus Name

Acc#

sp:Y414_HAEIN

Description

HYPOTHETICAL PROTEIN HI0414

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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5172277_c2_40	2179	7401	466	1401		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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16270793_c2_53	2180	7402	87	264		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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2007255_c3_60	2181	7403	419	1260	759	3.3e-75
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Protein name

Locus Name

Acc#

hypothetical protein

pir:G72244

G72244

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22150262_c2_47	2182	7404	211	636	570	3.5e-55

Protein name

Locus Name

Acc#

sp:Y168_HAEIN

Description

HYPOTHETICAL PROTEIN HI0168/169

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24744125_c1_44	2183	7405	164	495	276	5.0e-24

Protein name

Locus Name

Acc#

macrophage infectivity potentiator

gp:LSU92222

U92222

Description

Legionella spiritensis macrophage infectivity potentiator (mip) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24804642_c1_41	2184	7406	429	1290	1031	4.9e-104

Protein name

Locus Name

Acc#

Na⁺-translocating NADH-ubiquinone oxidoreductase, beta chain

pir:D64052

D64052

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26214062_c1_46	2185	7407	152	456	155	1.5e-10

Protein name

Locus Name

Acc#

sp:T2H2_HAEPA

P36433

Description

(R.HPA11)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26456280_c1_42	2186	7408	471	1416	452	1.5e-51

Protein name

Locus Name

Acc#

sp:DEAD_BACSU

P42305

Description

PROBABLE ATP-DEPENDENT RNA HELICASE DEAD

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30105385_c3_61	2187	7409	183	552	221	3.3e-18

Protein name

Locus Name

Acc#

gp:AB014075

AB014075

Description

Clostridium histolyticum genes for hypoxanthine-guaninephosphoribosyl-transferase (HGPRTase), GTPase and 12 ORFs, complete and partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34174063_c3_55.....	2188	7410	214	645	626	4.1e-61

Protein name

Locus Name

Acc#

sp:NQRE_HAEIN

P71342

Description

(NA-NQR COMPLEX SUBUNIT 5)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35806324_c1_40.....	2189	7411	84	255	102	4.8e-05

Protein name

Locus Name

Acc#

Na+-translocating NADH-ubiquinone oxidoreductase, gamma chain

pir:S65528

S65528

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4142191_c1_43	2190	7412	365	1098	839	1.1e-83

Protein name

Locus Name

Acc#

sp:SERC_BACSU

Description

PROTEIN 234) (VEG234)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
916577_c3_59	2191	7413	327	984	1049	6.1e-106

Protein name

Locus Name

Acc#

D-3-phosphoglycerate dehydrogenase

gp:AF079881

AF079881

Description

Entodinium caudatum D-3-phosphoglycerate dehydrogenase mRNA,partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
984752_c2_3	2192	7414	110	333	460	1.6e-43

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
116052_c2_50	2193	7415	86	261	96	5.9e-05

Protein name

Locus Name

Acc#

hypothetical protein MJ1608

pir:G64500

G64500

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12704377_f2_10	2194	7416	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16832885_f1_6	2195	7417	271	813	1021	5.6e-103

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19923150_c3_61	2196	7418	175	528		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20500430_f3_31	2197	7419	115	348	72	0.020

Protein name

Locus Name

Acc#

PRO1914

gp:AF118084

AF118084

Description

Homo sapiens PRO1914 mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_f2_21	2198	7420	83	252	64	0.031

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24229677_c3_60	2199	7421	113	342		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25835942_c1_41	2200	7422	161	486		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34173157_c1_37	2201	7423	198	597	483	5.8e-46

Protein name

Locus Name

Acc#

conserved hypothetical protein CAB06296

pir:T17189

T17189

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34407161_c3_65	2202	7424	339	1020	652	7.1e-64
Protein name			Locus Name		Acc#	
low specificity L-threonine aldolase			gp:AB001577		AB001577	
Description						
Pseudomonas sp. DNA for low specificity L-threonine aldolase, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35166557_f3_22	2203	7425	736	2211	120	0.0012
Protein name			Locus Name		Acc#	
hypothetical protein T13D8.29			pir:T02292		T02292	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4329831_c2_51	2204	7426	186	561	218	7.0e-18
Protein name			Locus Name		Acc#	
AlgT			gp:AF190580		AF190580	
Description						
Pseudomonas syringae pv. syringae AlgT (algT) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5188937_f1_4	2205	7427	146	441		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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582552_f3_29	2206	7428	601	1806	1549	6.3e-159
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Protein name	Locus Name	Acc#
pyruvate dehydrogenase	pir:T34668	T34668
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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595700_c2_46	2207	7429	89	270		
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Protein name	Locus Name	Acc#
<u>Description</u>		

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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7167057_c2_45	2208	7430	90	273	100	0.00069
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Protein name	Locus Name	Acc#
	sp:YHV8_YEAST	P38853
<u>Description</u>		

HYPOTHETICAL 131.1 KD PROTEIN IN REC104-SOL3 INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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11049030_c1_97	2209	7431	70	213	109	3.3e-06
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Protein name	Locus Name	Acc#
hypothetical protein APE0580	pir:D72643	D72643
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

16832885_f3_63	2210	7432	431	1296	1723	2.3e-177
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Protein name	Locus Name	Acc#
hypothetical protein	pir:JQ1020	JQ1020
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

21519061_f2_39	2211	7433	262	789	175	3.8e-11
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Protein name

Locus Name

Acc#

sp:Y612_METJA

Q58029

Description

HYPOTHETICAL PROTEIN MJ0612

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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22689083_f1_16	2212	7434	396	1191	766	5.9e-76
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Protein name

Locus Name

Acc#

aminotransferase (AspC family)

pir:B70325

B70325

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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22860128_f1_14	2213	7435	83	252	64	0.031
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Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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23626550_c2_121	2214	7436	306	921	391	3.2e-36
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Protein name

Locus Name

Acc#

sp:NPL_ECOLI

P06995

Description

ACID ALDOLASE) (N-ACETYLNEURAMINATE PYRUVATE LYASE) (NALASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24229677_c3_127	2215	7437	165	498		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24329587_c1_104	2216	7438	1102	3309	421	9.0e-71

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24800675_f1_20	2217	7439	683	2052	738	6.2e-77

Protein name

Locus Name

Acc#

sp:PRIM_CLOAB

P33655

Description

DNA PRIMASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26287762_c3_133	2218	7440	534	1605	232	1.3e-38

Protein name

Locus Name

Acc#

sp:STS_RAT

P15589

Description

SULFATE SULFOHYDROLASE) (ARYLSULFATASE C) (ASC)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26595402_f2_38	2219	7441	355	1068	380	4.7e-35
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
phospho-2-dehydro-3-deoxyheptonate aldolase/chorismate mutase			pir:A75449		A75449	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31726635_f3_64	2220	7442	300	903	363	3.0e-33
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:PHEA_ERWHE		Q02286	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35234800_c1_88	2221	7443	521	1566	254	1.3e-38
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:STS_MOUSE		P50427	
<u>Description</u>						
SULFATE SULFOHYDROLASE) (ARYLSULFATASE C) (ASC)						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3910875_f3_84	2222	7444	63	192		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3930163_c3_129	2223	7445	313	942	167	4.3e-10

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3937927_f3_83	2224	7446	99	300	106	1.3e-05

Protein name

Locus Name

Acc#

unknown

gp:SPU59236

U59236

Description

Synechococcus PCC7942 ribosomal protein S1 of 30S ribosome (rps1), ORF271, ORF231, ORF341, carboxyltransferase alpha subunit (accA), ORF245, ORF227, and GTP cyclohydrolase I (folE) genes, completecds, and ORF205 gene, partial cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3985936_c3_128	2225	7447	195	588	163	4.7e-12

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4117167_c3_130	2226	7448	1128	3387	737	4.6e-71
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Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4875001_c2_126	2227	7449	493	1482	172	9.1e-14
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Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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5941260_c2_106.....	2228	7450	199	600	557	8.3e-54
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Protein name

Locus Name

Acc#

sp:GCH1_SYNY3

Q55759

Description

GTP CYCLOHYDROLASE I, (GTP-CH-I)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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678385_c1_103.....	2229	7451	286	861	168	1.2e-11
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Protein name

Locus Name

Acc#

sp:YCBG_BACSU

P42239

Description

(ORF6)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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9953161_c1_87	2230	7452	542	1629	171	4.3e-13
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Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknowngenes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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11953382_f2_22	2231	7453	133	402	98	0.00012
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Protein name

Locus Name

Acc#

hypothetical protein F19H6.4

pir:T21123

T21123

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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14507137_f1_12	2232	7454	201	606		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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16116655_c2_76	2233	7455	183	552	323	5.2e-29
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Protein name

Locus Name

Acc#

sp:DYR_NEIGO

P04174

Description

DIHYDROFOLATE REDUCTASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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16832885_f1_18	2234	7456	405	1218	1614	8.2e-166
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Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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16882762_c1_55	2235	7457	291	876	112	0.0015
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Protein name

Locus Name

Acc#

hypothetical protein

pir:T29116

T29116

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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16884630_f1_1	2236	7458	88	267	123	5.6e-07
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Protein name

Locus Name

Acc#

probable oxidoreductase

pir:F70970

F70970

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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16886405_c3_107	2237	7459	132	399	120	2.6e-07
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Protein name

Locus Name

Acc#

hypothetical protein PH1073

pir:F71101

F71101

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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20901531_c3_99	2238	7460	271	816	1030	6.3e-104
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Protein name

Locus Name

Acc#

thymidylate synthase

gp:NGU86637

U86637

Description

Neisseria gonorrhoeae thymidylate synthase (thyA) gene, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22165933_c1_51	2239	7461	190	573		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_f2_34	2240	7462	83	252	64	0.031

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2370340_f3_37	2241	7463	526	1581	604	8.7e-59

Protein name

Locus Name

Acc#

probable oxidoreductase

pir:F70970

F70970

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24222175_f1_10	2242	7464	281	846	208	8.0e-17

Protein name

Locus Name

Acc#

sp:YA22_METH

O27101

Description

POTATIVE BIOPOLYMER TRANSPORT PROTEIN EXBB HOMOLOG

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24509675_f3_44	2243	7465	155	468		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26382062_f1_6	2244	7466	239	720	139	2.2e-07

Protein name

Locus Name

Acc#

siderophore-mediated iron transport protein

pir:F71829

F71829

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32244077_f3_38	2245	7467	290	873	377	9.9e-35

Protein name

Locus Name

Acc#

UBE-1a

gp:AB030503

AB030503

Description

Mus musculus mRNA for UBE-1a, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3242201_f2_30	2246	7468	69	210		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34417255_f1_11	2247	7469	158	477	107	0.00056

Protein name

Locus Name

Acc#

hypothetical protein PH1889

pir:D71202

D71202

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34504015_f1_8	2248	7470	244	735		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34573385_f3_43	2249	7471	347	1044	517	1.4e-49

Protein name

Locus Name

Acc#

bifunctional short chain isoprenyl diphosphate synthase (idsA) homolog

pir:F69535

F69535

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35756562_f3_36	2250	7472	457	1374	972	8.8e-98

Protein name

Locus Name

Acc#

citrate synthase

gp:AF088222

AF088222

Description

Lactococcus lactis subsp. lactis citrate synthase, aconitate hydratase, and truncated isocitrate dehydrogenase genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36367125_f1_16	2251	7473	160	483	311	9.7e-28

Protein name

Locus Name

Acc#

sp:ASNC_HAEIN

P44337

Description

REGULATORY PROTEIN ASNC

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4428518_c1_67	2252	7474	317	954	428	3.9e-40

Protein name

Locus Name

Acc#

LytB protein

pir:G70449

G70449

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4881510_c3_109.....	2253	7475	278	837	464	6.0e-44

Protein name

Locus Name

Acc#

sp:KCY_BACSU

P38493

Description

(CMP KINASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5114062_c3_111.....	2254	7476	331	996	834	3.7e-83

Protein name

Locus Name

Acc#

sp:K6P1_THETH

P21777

Description

(PFK1)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5884637_f1_9.....	2255	7477	259	780	411	2.5e-38

Protein name

Locus Name

Acc#

sp:YABD_BACSU

P37545

Description

HYPOTHETICAL 29.2 KD PROTEIN IN METS-KSGA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
829417_f1_13	2256	7478	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9894067_c2_78	2257	7479	213	642	130	4.5e-06

Protein name

Locus Name

Acc#

hypothetical protein

pir:T29116

T29116

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10555302_f3_105	2258	7480	350	1053	255	8.4e-22

Protein name

Locus Name

Acc#

conserved hypothetical protein AF2231

pir:G69528

G69528

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10757817_c1_149	2259	7481	152	459		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10805308_c2_174	2260	7482	62	189		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12147561_c1_120	2261	7483	705	2118	169	8.1e-10

Protein name

Locus Name

Acc#

Immunoreactive 53 kD antigen PG123

gp:AF144641

AF144641

Description

Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigenPG123 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12697180_c3_207	2262	7484	378	1137		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16140752_f1_27.....	2263	7485	69	210		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16621087_f1_10.....	2264	7486	134	405		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1954412_f1_29	2265	7487	173	522	181	5.8e-14
Protein name			Locus Name		Acc#	
RNA polymerase ECF-type sigma factor sigW			pir:H69706		H69706	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22145627_c2_180	2266	7488	565	1698	263	1.1e-19
Protein name			Locus Name		Acc#	
hypothetical protein aq_1220			pir:C70405		C70405	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23486536_f2_65	2267	7489	85	258		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23704675_f3_114	2268	7490	551	1656	2162	6.9e-224
Protein name			Locus Name		Acc#	
chaperonin groEL			pir:S47530		S47530	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24347332_f1_8	2269	7491	338	1017	896	9.9e-90
Protein name			Locus Name		Acc#	
cysteine synthase			gp:MLCB22		Z98741	
Description						
Mycobacterium leprae cosmid B22.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24414553_c1_143	2270	7492	63	192		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24415892_c1_121.....	2271	7493	181	546		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2463451_f3_79.....	2272	7494	270	813		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24805302_f1_16.....	2273	7495	232	699	432	1.5e-40

Protein name

Locus Name

Acc#

hypothetical protein yugP

pir:F70011

F70011

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24806517_f2_49	2274	7496	684	2055	231	1.6e-26
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
dipeptidyl peptidase III			gp:D89340		D89340	
<u>Description</u>						
Rattus norvegicus mRNA for dipeptidyl peptidase III, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25429837_c2_154	2275	7497	294	885	1200	6.1e-122
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein			pir:JQ1020		JQ1020	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25585781_c3_234	2276	7498	225	678	167	5.5e-12
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:Y374_METJA		Q57819	
<u>Description</u>						
HYPOTHETICAL PROTEIN MJ0374						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25641942_c3_219	2277	7499	231	696		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25911662_f2_52	2278	7500	166	501	216	1.1e-17

Protein name

Locus Name

Acc#

sp:FUR_CAMJE

Description

FERRIC UPTAKE REGULATION PROTEIN (FERRIC UPTAKE REGULATOR)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25978462_c1_142	2279	7501	608	1827	1308	2.2e-133

Protein name

Locus Name

Acc#

sp:RECQ_HAEIN

P71359

Description

ATP-DEPENDENT DNA HELICASE RECQ,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26598467...f3...106.....	2280	7502	194	585		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2923517_f1_17.....	2281	7503	395	1188		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29455156_c1_129	2282	7504	624	1875	434	2.1e-40

Protein name

Locus Name

Acc#

acylamino-acid-releasing enzyme,
(acyl-peptide hydrolase) (aph)
(acylaminoacyl-peptidase) PAB1300

pir:H75007

H75007

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29926562_c3_208	2283	7505	276	831		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31447702_c1_128.....	2284	7506	273	822	535	2.9e-51

Protein name

Locus Name

Acc#

immunoreactive 89kD antigen PG87

gp:AF175722

AF175722

Description

Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene,
complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3323437_f2_77.....	2285	7507	345	1038		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33238187_c2_159	2286	7508	389	1170		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33287775_c2_158	2287	7509	506	1521		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33402001_c2_160	2288	7510	375	1128		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35781576_f1_30	2289	7511	297	894	582	1.9e-56

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:D75557

D75557

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3906380_f2_54	2290	7512	69	210	70	0.033

Protein name

Locus Name

Acc#

hypothetical protein Y68A4B.3

pir:T27307

T27307

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4022312_f3_113	2291	7513	93	282	393	2.0e-36

Protein name

Locus Name

Acc#

sp:CH10_PORG1

P42376

Description

10 KD CHAPERONIN (PROTEIN CPN10) (PROTEIN GROES)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4695302_c2_175	2292	7514	422	1269		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4718760_f3_88	2293	7515	300	903	193	4.1e-13

Protein name

Locus Name

Acc#

conserved hypothetical protein MTH83

pir:F69210

F69210

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4798465_f1_26	2294	7516	386	1161	291	1.3e-25

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:C72340

C72340

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4883437_f1_15	2295	7517	426	1281	967	3.0e-97

Protein name

Locus Name

Acc#

sp:PURA_YEAST

P80210

Description

ADENYLOSUCCINATE SYNTHETASE, (IMP--ASPARTATE LIGASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
526637_f3_96	2296	7518	457	1374	429	3.0e-40

Protein name

Locus Name

Acc#

probable glycosyl hydrolase

pir:T36467

T36467

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5351687_f2_67	2297	7519	68	207		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
643818_c3_233	2298	7520	504	1515	424	5.9e-42

Protein name

Locus Name

Acc#

sp:YC46_HAEIN

P44135

Description

HYPOTHETICAL PROTEIN HI1246

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6462751_f2_50	2299	7521	221	666		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7222125_c3_218	2300	7522	474	1425	545	1.6e-52

Protein name

Locus Name

Acc#

putative secreted protein

gp:SCM11

AL133278

Description

Streptomyces coelicolor cosmid M11.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
822137_c2_195	2301	7523	713	2142	121	5.4e-10

Protein name

Locus Name

Acc#

heme receptor

gp:VIBHUTA

L27149

Description

Vibrio cholerae heme receptor (huta) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9797180_f1_18	2302	7524	471	1416	535	1.5e-65

Protein name

Locus Name

Acc#

sp:SYH_HUMAN

P12081

Description

(HISRS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9883507_c3_238	2303	7525	359	1080		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9953556_f3_91	2304	7526	158	477	135	3.2e-08

Protein name

Locus Name

Acc#

response regulator

gp:SPAJ6396

AJ006396

Description

Streptococcus pneumoniae rr07 and hk07 genes; two component system07.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11906705_c1_6	2305	7527	303	912	1115	6.2e-113

Protein name

Locus Name

Acc#

beta-glucosidase

gp:AF006658

AF006658

Description

Bacteroides fragilis beta-glucosidase gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19578130_f2_3	2306	7528	66	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1276700_f1_1	2307	7529	102	309		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1629337_f2_83	2308	7530	707	2124	1709	7.0e-176

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16500342_c3_176	2309	7531	1335	4008	280	1.4e-39

Protein name

Locus Name

Acc#

hybrid histidine kinase

gp:AF029704

AF029704

Description

Dictyostelium discoideum hybrid histidine kinase (dhkD) mRNA,complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19564077_c3_177	2310	7532	180	543	247	2.1e-20

Protein name

Locus Name

Acc#

probable chromate transport protein

pir:G71379

G71379

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20830137_c2_135	2311	7533	459	1380	267	7.9e-25
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
sucrose transporter 1			gp:AF191024			AF191024
<u>Description</u>						
Asarina barclaiiana sucrose transporter 1 (SUT1) mRNA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22534633_c3_175	2312	7534	1294	3885	1006	2.8e-207
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:PUR4_DROME			P35421
<u>Description</u>						
(ADENOSINE-2) (FGAMS) (FORMYLGLYCINAMIDE RIBOTIDE SYNTHETASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22712880_c1_123.....	2313	7535	1021	3066	661	3.6e-62
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
cation efflux system (AcrB/AcrD/AcrF family)			pir:F70342			F70342
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24234676_c3_174.....	2314	7536	437	1314		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24486562_f2_36	2315	7537	165	498		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24509680_c3_165.....	2316	7538	354	1065	254	1.1e-21

Protein name

Locus Name

Acc#

cation efflux system (czcB-like)

pir:C70415

C70415

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24644812_c3_164.....	2317	7539	773	2322	1663	5.2e-171

Protein name

Locus Name

Acc#

sp:YVDK_BACSU

006993

Description

HYPOTHETICAL 88.3 KD PROTEIN IN CLPP-CRH INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2928461_f1_27.....	2318	7540	97	294		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29892568_f3_91	2319	7541	80	243		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30116437_c3_163	2320	7542	341	1026	451	1.4e-42

Protein name

Locus Name

Acc#

transcription regulator, LacI family

pir:F72282

F72282

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3944562_f3_90	2321	7543	279	840	645	3.9e-63

Protein name

Locus Name

Acc#

YngK

gp:AF184956

AF184956

Description

Bacillus subtilis mycosubtilin operon, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
422776_c3_181	2322	7544	937	2814	1529	4.7e-234

Protein name

Locus Name

Acc#

excinuclease ABC chain A:uvrA protein

pir:H69157

H69157

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4583338_f3_84	2323	7545	256	771	293	7.9e-26
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Protein name	Locus Name	Acc#
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H. influenzae predicted coding region H11127	gp:U32792	
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Description

Haemophilus influenzae Rd section 107 of 163 of the complete genome.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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5109662_c1_128	2324	7546	184	555	254	1.1e-21
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Protein name	Locus Name	Acc#
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probable chromate transport protein	pir:C70068	C70068
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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5110712_c1_124	2325	7547	426	1281	182	5.2e-11
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Protein name	Locus Name	Acc#
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immunoreactive 52kD antigen PG41	gp:AF175716	AF175716
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Description

Porphyromonas gingivalis strain W50 immunoreactive 52kD antigen PG41 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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7032127_f2_70	2326	7548	89	270		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
838142_f1_4	2327	7549	254	765	374	2.1e-34

Protein name

Locus Name

Acc#

YngK

gp:AF184956

AF184956

Description

Bacillus subtilis mycosubtilin operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
17048331_c3_60	2328	7550	406	1221	367	1.2e-32

Protein name

Locus Name

Acc#

sp:AMPN_STRLI

Q11010

Description

(ALANINE AMINOPEPTIDASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24644575_c1_50	2329	7551	522	1569	155	2.0e-07

Protein name

Locus Name

Acc#

sp:AAP1_YEAST

P37898

Description

ALANINE/ARGININE AMINOPEPTIDASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24649017_c3_58	2330	7552	415	1248	651	2.1e-66

Protein name

Locus Name

Acc#

hypothetical protein SC4H2.17 SC4H2.17

pir:T35116

T35116

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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26365961_c1_47	2331	7553	470	1413	139	2.1e-07
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Protein name

Locus Name

Acc#

receptor antigen B (RagB)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

29350375_c3_59	2332	7554	468	1407	345	1.9e-30
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Protein name

Locus Name

Acc#

hypothetical protein TP0851

pir:C71274

C71274

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

31496067_c1_49	2333	7555	227	684		
----------------	------	------	-----	-----	--	--

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

33439010_c3_57	2334	7556	982	2949	448	4.6e-86
----------------	------	------	-----	------	-----	---------

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4738761_c2_55	2335	7557	433	1299	1622	1.2e-166

Protein name

Locus Name

Acc#

fumarate hydratase, fumB,
iron-dependent:fumarase B

pir:B44511

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
48828124_c1_4	2336	7558	178	537	410	3.1e-38

Protein name

Locus Name

Acc#

hypothetical protein F36H12.3

pir:T33457

T33457

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
48828124_c2_5	2337	7559	179	540	407	6.5e-38

Protein name

Locus Name

Acc#

hypothetical protein F36H12.3

pir:T33457

T33457

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
48828124_c3_6	2338	7560	188	567	412	1.9e-38

Protein name

Locus Name

Acc#

hypothetical protein F36H12.3

pir:T33457

T33457

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4485917_c2_3	2339	7561	104	312		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10742905_f2_80	2340	7562	97	294	105	4.2e-05

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:A72220

A72220

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11210313_c3_276.....	2341	7563	281	846	645	3.9e-63

Protein name

Locus Name

Acc#

CysQ protein

pir:A70330

A70330

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11796876_c3_240.....	2342	7564	159	480		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1296950_c2_225.....	2343	7565	522	1569	381	6.0e-67

Protein name

Locus Name

Acc#

sp:Y640_SYNY3

P72958

Description

HYPOTHETICAL 66.7 KD PROTEIN SLL0640

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1348563_c1_151.....	2344	7566	166	501	715	1.5e-70

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

13837817_f2_54	2345	7567	272	819	101	0.0055
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Protein name

Locus Name

Acc#

otnG protein

pir:S70954

S70954

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

13859376_f2_77	2346	7568	391	1176	687	1.4e-67
----------------	------	------	-----	------	-----	---------

Protein name

Locus Name

Acc#

galactokinase

pir:C72283

C72283

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

14648312_c1_199	2347	7569	376	1131	363	3.0e-33
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Protein name

Locus Name

Acc#

immunoreactive 42kD antigen PG33

gp:AF175715

AF175715

Description

Porphyromonas gingivalis strain W50 immunoreactive 42kD antigenPG33 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

16801507_f1_32	2348	7570	280	843	226	9.9e-19
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Protein name

Locus Name

Acc#

glutamine ABC transporter, periplasmic
glutamine-binding protein (glnH) homolog

pir:G69278

G69278

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
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16832885_f2_51	2349	7571	90	273	312	7.6e-28
----------------	------	------	----	-----	-----	---------

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
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17187_c3_273	2350	7572	64	195		
--------------	------	------	----	-----	--	--

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
-----------------	-------------	-------------	----------------------------	----------------------------	--------------	--------------------

187502_c2_235	2351	7573	364	1095		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
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187502_f1_10	2352	7574	522	1569		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
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20110930_f2_82	2353	7575	63	192		
----------------	------	------	----	-----	--	--

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

22470301_f2_73	2354	7576	131	396	71	0.026
----------------	------	------	-----	-----	----	-------

Protein name

Locus Name

Acc#

unknown protein

gp:BACATPA

Description

B.megaterium ATP synthase 1,a,c,b,delta,alpha,gamma,beta andepsilon subunit genes, complete cds, and ORF.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

22660002_f3_129	2355	7577	103	312		
-----------------	------	------	-----	-----	--	--

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

22860128_f3_106	2356	7578	83	252	64	0.031
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Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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23554687_f1_35	2357	7579	305	918		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23631562_f3_133	2358	7580	460	1383	330	9.4e-30

Protein name

Locus Name

Acc#

sp:GLUP_BRUAB

Q44623

Description

GLUCOSE/GALACTOSE TRANSPORTER

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23907956_f1_22	2359	7581	83	252		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24069755_c2_222	2360	7582	279	840	503	4.4e-48

Protein name

Locus Name

Acc#

hypothetical protein slr1117

pir:S74480

S74480

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24237507_f1_28	2361	7583	396	1191	747	6.1e-74

Protein name

Locus Name

Acc#

sp:GALM_ACICA

P05149

Description

ALDOSE 1-EPIMERASE PRECURSOR, (MUTAROTASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24242327_f3_143	2362	7584	173	522	140	1.3e-09

Protein name

Locus Name

Acc#

sp:RFAY_XANCP

P46358

Description

PROBABLE RNA POLYMERASE SIGMA FACTOR RFAY

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24253316_c3_239	2363	7585	209	630		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24260885_c1_153	2364	7586	480	1443	213	1.4e-16

Protein name

Locus Name

Acc#

vitellogenin

gp:CHKVITB

K02113

Description

Gallus gallus vitellogenin gene coding for phosvitin, exons 23 and 24.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24298137_f2_65	2365	7587	66	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24353377_f2_81	2366	7588	76	231	170	8.5e-13
Protein name			Locus Name		Acc#	
hypothetical protein TM1758			pir:G72214		G72214	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24406536_f2_79	2367	7589	149	450	367	1.1e-33
Protein name			Locus Name		Acc#	
sugar-phosphate isomerase			pir:H72296		H72296	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24415877_c3_272	2368	7590	166	501	99	0.0018
Protein name			Locus Name		Acc#	
			sp:Y896_HAEIN			
Description						
HYPOTHETICAL PROTEIN H10896						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24415888_c1_154	2369	7591	528	1587	69	0.0075
Protein name			Locus Name		Acc#	
outer membrane protein			gp:HEAOMPP1B			
Description						
Haemophilus influenzae outer membrane protein (OMPP1) gene, complete CDS.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24645262_f3_109	2370	7592	375	1128	377	9.9e-35

Protein name: immunoreactive 42kD antigen PG33

Locus Name: gp:AF175715

Acc#: AF175715

Description: Porphyromonas gingivalis strain W50 immunoreactive 42kD antigenPG33 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648563_c3_271	2371	7593	258	777	575	1.0e-55

Protein name: PksB

Locus Name: gp:AF019986

Acc#: AF019986

Description: Dictyostelium discoideum PksB (pksB) mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24692212_c1_187.....	2372	7594	293	882	940	2.2e-94

Protein name: sulfate adenylyltransferase, small chain:ATP-sulfurylase:sulfurylase

Locus Name: pir:D65056

Acc#:

Description:

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24890887_f2_89.....	2373	7595	75	228		

Protein name:

Locus Name:

Acc#:

Description:

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25600262_c3_278	2374	7596	79	240	174	6.6e-13

Protein name	Locus Name	Acc#
ATP sulfurylase small subunit	gp:AF035608	AF035608

Description

Pseudomonas aeruginosa ATP sulfurylase small subunit (cysD) and ATPsulfurylase GTP-binding subunit/APS kinase (cysN) genes, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25792127_f3_124	2375	7597	84	255		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26289761_c3_279.....	2376	7598	491	1476	1334	3.8e-136

Protein name	Locus Name	Acc#
ATP sulfurylase GTP-binding subunit/APS kinase	gp:AF035608	AF035608

Description

Pseudomonas aeruginosa ATP sulfurylase small subunit (cysD) and ATPsulfurylase GTP-binding subunit/APS kinase (cysN) genes, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26359760_c1_152.....	2377	7599	82	249	61	0.048

Protein name	Locus Name	Acc#
	sp:COX3_PYLLI	Q37600

Description

CYTOCHROME C OXIDASE POLYPEPTIDE III,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29298205_c2_237	2378	7600	145	438	202	3.5e-16

Protein name	Locus Name	Acc#
hypothetical protein	pir:S76868	S76868
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29722915_f3_107	2379	7601	356	1071	1412	2.1e-144

Protein name	Locus Name	Acc#
hypothetical protein	pir:JQ1020	JQ1020
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31878250_f3_147	2380	7602	185	558	396	9.6e-37

Protein name	Locus Name	Acc#
conserved hypothetical protein ykna	pir:F69857	F69857
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32304817_f2_90	2381	7603	216	651		

Protein name	Locus Name	Acc#
<u>Description</u>		

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32422553_f1_31	2382	7604	659	1980	96	0.044

Protein name	Locus Name	Acc#
<u>Description</u>		

HYPOTHETICAL PROTEIN MJ1282.2

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33476517_f1_30	2383	7605	369	1110	994	4.1e-100
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
hypothetical protein TM1759				pir:H72214		H72214
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34191425_f2_50.....	2384	7606	332	999		
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34242212_f3_145.....	2385	7607	153	462	92	0.039
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
PIEMP1 fragment PFB1045w				pir:F71600		F71600
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34407937_f3_142.....	2386	7608	330	993	260	2.5e-22
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
				sp:YISS_BACSU		
<u>Description</u>						

HYPOTHETICAL 37.5 KD PROTEIN IN DEGA-NPRB INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34609450_c3_242	2387	7609	376	1131	117	0.0016
Protein name			Locus Name		Acc#	
complement C7			gp:AF162274		AF162274	
Description						
Sus scrofa complement C7 mRNA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36226562_c1_190	2388	7610	325	978		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36604663_f1_27	2389	7611	411	1236	992	6.7e-100
Protein name			Locus Name		Acc#	
			sp:RHLE_ECOLI		P25888	
Description						
PUTATIVE ATP-DEPENDENT RNA HELICASE RHLE						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3917130_c3_268	2390	7612	332	999	488	1.7e-46
Protein name			Locus Name		Acc#	
mannose-6-phosphate isomerase homolog yjdB			pir:H69848		H69848	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3939003_f2_84	2391	7613	185	558	294	1.4e-25

Protein name	Locus Name	Acc#
2-oxoacid--ferredoxin oxidoreductase, beta chain:2-oxoisovalerate oxidoreductase alpha chain (misidentification)	pir:B69194	B69194

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
40888_c1_200	2392	7614	185	558	301	1.1e-26

Protein name	Locus Name	Acc#
	sp:DEF_THEMA	P96113

Description

DEFORMYLASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4115930_f3_134	2393	7615	312	939	1046	1.3e-105

Protein name	Locus Name	Acc#
putative transketolase	gp:BOU15179	U15179

Description

Bacteroides ovatus arabinosidase (asdII) gene, complete cds and putative transketolase, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4145331_f1_29	2394	7616	376	1131	645	3.9e-63

Protein name	Locus Name	Acc#
	sp:TKT_BACSU	P45694

Description

TRANSKETOLASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4485917_f2_56	2395	7617	135	408	98	0.00035

Protein name	Locus Name	Acc#
XylS/AraC family transcriptional regulatory	gp:AF039207	AF039207

Description

Listeria monocytogenes putative transcriptional attenuator leaderpeptide (attM), LapA (lapA), XylS/AraC family transcriptional regulatory protein homolog (lapB), and NADH-dependent dehydrogenase homolog (lapC) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4719011_c3_277	2396	7618	205	618	476	3.2e-45

Protein name	Locus Name	Acc#
	sp:NODQ_AZOBR	P28604

Description

SULFURYLASE) (NODULATION PROTEIN Q)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4722176_f3_121	2397	7619	898	2697	367	4.0e-85

Protein name	Locus Name	Acc#
	sp:BGAL_THEET	P77989

Description

BETA-GALACTOSIDASE, (LACTASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4867167_c1_198	2398	7620	418	1257		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5259437_c3_287	2399	7621	253	762	106	0.00070
Protein name			Locus Name		Acc#	
otnG protein			pir:S70954		S70954	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5273312_F3_128	2400	7622	73	222	81	0.0035
Protein name			Locus Name		Acc#	
gas vesicle protein GvpP			gp:AF053765		AF053765	
Description						

Bacillus megaterium AraC (araC) gene, partial cds; gas vesicle proteins GvpU (gvpU), GvpT (gvpT), GvpJ (gvpJ), GvpK (gvpK), GvpS (gvpS), GvpL (gvpL), GvpG (gvpG), GvpF (gvpF), GvpN (gvpN), GvpR (gvpR), GvpB (gvpB), GvpQ (gvpQ), GvpP (gvpP), and GvpA (gvpA) genes, complete cds; and unknown gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5284453_c2_202	2401	7623	138	417	114	1.2e-06
Protein name			Locus Name		Acc#	
hypothetical protein (eggshell protein gene region)			pir:D44805		D44805	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6143800_c1_189	2402	7624	390	1173	393	2.0e-36
Protein name			Locus Name		Acc#	
			sp:YU43_MYCTU		Q50695	
Description						

HYPOTHETICAL 46.1 KD PROTEIN CY339.43

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6381932_f2_53	2403	7625	269	810		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6647927_f1_36	2404	7626	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6851562_f2_83	2405	7627	257	774	633	7.3e-62

Protein name

Locus Name

Acc#

2-oxoacid--ferredoxin oxidoreductase, beta chain:2-oxoisovalerate oxidoreductase alpha chain (misidentification)

pir:B69194

B69194

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
687_c2_234	2406	7628	410	1233	389	5.3e-36

Protein name

Locus Name

Acc#

integrase

gp:BFU75371

U75371

Description

Bacteroides fragilis transposon Tn4555 TnpA (tnpA), integrase(int), TnpC (tnpC), excisionase (xis), mobilization protein (mobA), and beta-lactamase (cfxA) genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9782302_f1_43	2407	7629	83	252		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10369011_f3_154	2408	7630	283	852		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1057958_f2_73	2409	7631	188	567	212	3.0e-17

Protein name

Locus Name

Acc#

sensory transduction system regulatory
protein slr1982:protein slr1982:protein
slr1982

pir:S75663

S75663

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1176517_f1_52	2410	7632	66	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12343962_f2_59	2411	7633	742	2229	156	1.1e-06
Protein name			Locus Name		Acc#	
hypothetical protein			pir:C72351		C72351	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13787952_f1_53	2412	7634	312	939		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13861037_f1_46	2413	7635	156	471		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13865891_c2_277	2414	7636	428	1287	712	3.1e-70
Protein name			Locus Name		Acc#	
			sp:BIOF_BACSH		P22806	
Description						
LIGASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13882887_f1_44	2415	7637	146	441	155	3.3e-11

Protein name	Locus Name	Acc#
hypothetical protein	gp:AF158372	AF158372

Description

Flavobacterium johnsoniae hypothetical protein gene, partial cds;GldB (gldB), GldC (gldC), and hypothetical protein genes, completecds; and hypothetical protein gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14459637_f1_49	2416	7638	605	1818	207	4.3e-14

Protein name	Locus Name	Acc#
hypothetical protein	gp:AF158372	AF158372

Description

Flavobacterium johnsoniae hypothetical protein gene, partial cds;GldB (gldB), GldC (gldC), and hypothetical protein genes, completecds; and hypothetical protein gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14492062_f3_147.....	2417	7639	143	432		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14564003_f2_71.....	2418	7640	290	873	140	4.2e-07

Protein name	Locus Name	Acc#
MigA	gp:PAU70729	U70729

Description

Pseudomonas aeruginosa MigA (migA) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14631406_f1_14	2419	7641	322	969	257	2.6e-25

Protein name	Locus Name	Acc#
glycosyltransferase	gp:AF146532	AF146532

Description

Klebsiella pneumoniae waa gene cluster.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14642175_f1_38	2420	7642	1035	3108	96	4.2e-07

Protein name	Locus Name	Acc#
DNA helicase homolog	pir:G69494	G69494

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14646926_f3_144.....	2421	7643	141	426	175	2.5e-13

Protein name	Locus Name	Acc#
hypothetical protein	gp:AF158372	AF158372

Description

Flavobacterium johnsoniae hypothetical protein gene, partial cds;GldB (gldB), GldC (gldC), and hypothetical protein genes, completecds; and hypothetical protein gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14651638_f2_68.....	2422	7644	120	363		

Protein name	Locus Name	Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1550_f2_88	2423	7645	259	780		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15761062_c2_283.....	2424	7646	72	219	209	1.2e-16

Protein name

Locus Name

Acc#

integrase

gp:D50438

D50438

Description

Serratia marcescens DNA for integrase,
metallo-beta-lactamase, aminoglycoside acetyltransferase, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16100927_c1_194.....	2425	7647	280	843	109	0.00011

Protein name

Locus Name

Acc#

sp:YBEU_ECOLI

P77427

Description

HYPOTHETICAL 27.0 KD PROTEIN IN LEUS-GLTL INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16603377_f1_51.....	2426	7648	326	981		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
194765_c3_348	2427	7649	135	408		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19695302_f2_58.....	2428	7650	293	882		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20026537_c1_190.....	2429	7651	330	993	297	3.0e-26

Protein name

Locus Name

Acc#

sp:Y4QK_RH1SN

P55632

Description

PUTATIVE INTEGRASE/RECOMBINASE Y4QK

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20705385_c2_281.....	2430	7652	227	684	110	0.00019

Protein name

Locus Name

Acc#

LanK

gp:AF080235

AF080235

Description

Streptomyces cyanogenus landomycin biosynthetic gene cluster, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20912537_f3_151	2431	7653	235	708		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20953211_f3_124	2432	7654	251	756	136	9.7e-07

Protein name

Locus Name

Acc#

hypothetical protein

pir:F75494

F75494

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
212762_f1_43	2433	7655	828	2487	827	4.1e-145

Protein name

Locus Name

Acc#

ClpB

gp:AB012390

AB012390

Description

Thermus thermophilus genes for DnaK, GrpE, DnaJ, DnaA, ClpB, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21507765_c3_369	2434	7656	76	231		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23547157_c2_286	2435	7657	162	489		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23632793_c1_189	2436	7658	87	264	72	0.048

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

ubiquinone biosynthesis protein coq7 (coq7) RP190	pir:A71730	A71730
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24063450_f3_101	2437	7659	419	1260	115	0.0028

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

outer membrane protein	pir:C70412	C70412
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24065927_f2_90	2438	7660	293	882		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24257700_c3_353	2439	7661	584	1755	1657	2.3e-170

Protein name

Locus Name

Acc#

sp:YJJK_ECOLI

P37797

Description

ABC TRANSPORTER ATP-BINDING PROTEIN YJJK

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24258437_f3_103	2440	7662	306	921	271	5.1e-32

Protein name

Locus Name

Acc#

rhamnosyl transferase related protein PAB0795

pir:F75099

F75099

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24398442_f1_45.....	2441	7663	152	459	94	0.00014

Protein name

Locus Name

Acc#

hypothetical protein

gp:AF158372

AF158372

Description

Flavobacterium johnsoniae hypothetical protein gene, partial cds;GldB (gldB), GldC (gldC), and hypothetical protein genes, completecds; and hypothetical protein gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24407563_f3_155.....	2442	7664	389	1170		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24640881_f1_24	2443	7665	408	1227	210	1.2e-14
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
hyaluronan synthase related PAB1314			pir:G75005			G75005
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24640952_c1_193	2444	7666	152	459		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24843877_f3_148	2445	7667	150	453	77	0.024
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			gp:AB030825			AB030825
<u>Description</u>						

Pseudomonas aeruginosa genomic DNA, partial sequence, strain:PA01.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25584626_c1_191	2446	7668	132	399		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25906913_f3_104	2447	7669	437	1314	184	3.3e-11

Protein name

Locus Name

Acc#

gp:PWQRRMP

L39794

Description

Plasmid pWQ799 RNAI and RNAI genes, complete sequence; RNAI modulator protein (Rom), mobilization proteins (mbeC, mbeA, mbeB, and mbeD), N-acetylmannosamine transferase (wbbE), wbbF, and UDP-N-acetylglucosamine 2-epimerase (wecB) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2929813_c2_306	2448	7670	93	282	66	0.035

Protein name

Locus Name

Acc#

plasma membrane protein

pir:T03680

T03680

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29479667_f1_34	2449	7671	100	303		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29820341_f3_102	2450	7672	467	1404	116	0.0010

Protein name

Locus Name

Acc#

sp:RFC_SALMU

Q00474

Description

O-ANTIGEN POLYMERASE

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32225307_c3_350	2451	7673	149	450		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32698450_f3_153	2452	7674	269	810	197	1.2e-15

Protein name

Locus Name

Acc#

outer membrane protein mom72,
72K:hypothetical protein sll1667:hypothetical
protein sll1667

pir:S74665

S74665

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33400252_c2_290	2453	7675	632	1899	82	0.028

Protein name

Locus Name

Acc#

MHC class II protein

gp:AF030872

AF030872

Description

Poecilopsis occidentalis occidentalis MHC class II protein gene, partial
exon II, and partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34022837_f1_42	2454	7676	464	1395		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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34164777_f1_25	2455	7677	801	2406	390	2.4e-36
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Protein name

Locus Name

Acc#

sensory transduction histidine kinase
slr2104:protein slr2104:protein slr2104

pir:S75136

S75136

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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34179562_f1_41	2456	7678	154	465		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

34569676_c3_354	2457	7679	934	2805	178	1.5e-10
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Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC
protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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35156933_c1_192	2458	7680	84	255		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35188568_f1_13	2459	7681	72	219		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35351502_f1_54	2460	7682	495	1488		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
39660_f3_152	2461	7683	262	789	292	1.0e-25

Protein name

Locus Name

Acc#

outer membrane protein mom72,
72K:hypothetical protein sll1667:hypothetical
protein sll1667

pir:S74665

S74665

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3984442_f2_84	2462	7684	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4100635_f1_50	2463	7685	771	2316		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4109715_f1_56	2464	7686	321	966		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4110211_f1_21	2465	7687	307	924		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4119010_c2_285	2466	7688	158	477	97	0.0046

Protein name

Locus Name

Acc#

ABC transporter protein

gp:CJAJ0856

AJ000856

Description

Campylobacter jejuni kpsM, kpsT genes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4566502_f1_33	2467	7689	106	321		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4798388_f3_141	2468	7690	64	195	114	7.3e-07

Protein name

Locus Name

Acc#

hypothetical protein MTH1606

pir:E69081

E69081

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4884686_c2_284	2469	7691	287	864		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5339133_c3_367	2470	7692	65	198		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6338916_f3_157	2471	7693	112	336		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
644125_c2_309	2472	7694	104	315	87	0.00083

Protein name

Locus Name

Acc#

sp:INVA_BARBA

P35640

Description

INVASION PROTEIN A

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6814062_f2_70	2473	7695	1248	3747	423	2.7e-38

Protein name

Locus Name

Acc#

biosynthesis of teichuronic acid tuaB

pir:D69727

D69727

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6851660_f2_96	2474	7696	70	213		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6923378_f3_150	2475	7697	488	1467		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
85901_c3_366	2476	7698	119	360		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
915912_f3_143	2477	7699	130	393	194	2.4e-15

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

hypothetical protein	gp:AF158372	AF158372
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Description

Flavobacterium johnsoniae hypothetical protein gene, partial cds;GldB (gldB), GldC (gldC), and hypothetical protein genes, completedcds; and hypothetical protein gene, partial cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
975262_f3_149	2478	7700	611	1836		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
979137_f1_26	2479	7701	183	552		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9959463_f3_146	2480	7702	331	996	150	9.7e-07
Protein name			Locus Name		Acc#	
serine/threonine-specific protein kinase, PFB0150c			pir:H71621		H71621	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2350306_f3_12	2481	7703	100	303	105	6.6e-06
Protein name			Locus Name		Acc#	
hypothetical protein PH0217			pir:G71244		G71244	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24335131_f2_8	2482	7704	63	192	106	5.1e-06
Protein name			Locus Name		Acc#	
hypothetical protein PH0219			pir:A71245		A71245	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31539640_c1_14	2483	7705	62	189		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11756280_f2_12	2484	7706	667	2004	1546	1.3e-158
Protein name			Locus Name		Acc#	
			gp:CEY51H4A		AL132952	

Description

Caenorhabditis elegans cosmid Y51H4A, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1198528_c1_58	2485	7707	81	246		
Protein name			Locus Name		Acc#	

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1203442_f2_15	2486	7708	211	636	364	2.4e-33
Protein name			Locus Name		Acc#	
			sp:SCE4_METEX		Q49135	

Description

PUTATIVE SERINE CYCLE ENZYME (ORF4)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12673767_f1_3	2487	7709	327	984	510	7.9e-49
Protein name			Locus Name		Acc#	
histidine ammonia-lyase			pir:F75610		F75610	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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12947255_f1_1	2488	7710	309	930	855	2.2e-85
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Protein name	Locus Name	Acc#
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hypothetical protein TM0843	pir:D72326	D72326
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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21680317_f3_40	2489	7711	102	309	73	0.016
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Protein name	Locus Name	Acc#
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hypothetical protein aq_862	pir:F70374	F70374
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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21932163_f3_45	2490	7712	75	228		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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2350306_c2_69	2491	7713	100	303	111	1.5e-06
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Protein name	Locus Name	Acc#
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hypothetical protein PH0217	pir:G71244	G71244
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24431500_f3_42	2492	7714	310	933		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24804561_f1_5	2493	7715	220	663	122	4.7e-06

Protein name	Locus Name	Acc#
probable transcription regulator	pir:T29062	T29062

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25813300_f3_39	2494	7716	1021	3066	1244	1.3e-126

Protein name	Locus Name	Acc#
acriflavine resistance protein (acrB)	gp:AE001125	

Description

Borrelia burgdorferi (section 11 of 70) of the complete genome.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26204716_f2_18	2495	7717	64	195		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33398568_c3_101	2496	7718	75	228	61	0.044

Protein name	Locus Name	Acc#
MADS box-like protein	gp:AB003323	AB003323

Description

Oryza sativa mRNA for MADS box-like protein, complete cds, clone:E20969.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34409692_f1_2	2497	7719	419	1260	847	1.5e-84

Protein name
Locus Name
 sp:HUT1_BACSU

Acc#
 P42084

Description

HYDROLASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34651386_f2_24	2498	7720	489	1470		

Protein name
Locus Name
Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3916638_f3_30	2499	7721	213	642		

Protein name
Locus Name
Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4103137_f1_6	2500	7722	309	930	200	6.7e-18

Protein name
Locus Name
Acc#

hypothetical protein sll0141

pir:S76434

S76434

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4141887_f3_38	2501	7723	453	1362	840	8.5e-84

Protein name	Locus Name	Acc#
Immunoreactive 52kD antigen PG41	gp:AF175716	AF175716

Description

Porphyromonas gingivalis strain W50 immunoreactive 52kD antigenPG41 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4422500_f3_37	2502	7724	159	480	308	1.4e-26

Protein name	Locus Name	Acc#
	sp:HUTH_HUMAN	P42357

Description

HISTIDINE AMMONIA-LYASE, (HISTIDASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5331665_f1_9	2503	7725	525	1578	745	1.1e-77

Protein name	Locus Name	Acc#
AlgI	gp:AF027499	AF027499

Description

Azotobacter vinelandii mannuronan C-5-epimerase (algG) gene, partial cds; and AlgX, alginate lyase (algL), AlgI, and AlgV genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7057792_f2_19	2504	7726	63	192	88	0.0036

Protein name	Locus Name	Acc#
	gp:D85752	D85752

Description

Enterococcus faecalis plasmid pPD1 bacA, bacB, bacC, bacD, bacE, bacF, bacG, bacH and bacI genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14664052_c1_25	2505	7727	197	594	217	8.9e-18

Protein name	Locus Name	Acc#
RNA polymerase sigma factor SigZ-like protein	gp:AF137263	AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23495336_c1_24	2506	7728	77	234		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24035707_c1_27.....	2507	7729	811	2436	515	5.2e-46

Protein name	Locus Name	Acc#
115K outer membrane protein precursor:SusC protein	pir:JC6027	JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29296910_c1_26.....	2508	7730	346	1041	113	0.00087

Protein name	Locus Name	Acc#
	sp:FECD_ECOLI	P23485

Description

FECD PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35328313_c2_31	2509	7731	381	1146	328	2.6e-28

Protein name	Locus Name	Acc#
receptor antigen (RagA)	gp:PGI130872	AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3906250_f2_14	2510	7732	167	504		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3947287_c3_38	2511	7733	95	285		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10250001_c2_207	2512	7734	109	330		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10735692_f1_26	2513	7735	431	1296	967	3.0e-97

Protein name	Locus Name	Acc#
	sp:PUR2_HAEIN	P43845

Description

RIBONUCLEOTIDE SYNTHETASE) (PHOSPHORIBOSYLGLYCINAMIDE SYNTHETASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10937551_c2_210	2514	7736	246	741	94	0.036

Protein name	Locus Name	Acc#
DNA alkylation repair enzyme	gp:BAJ10128	AJ010128

Description

Bacillus cereus bc297a, alkD genes and partial glyS gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11203138_c2_205.....	2515	7737	65	198	60	0.048

Protein name	Locus Name	Acc#
alpha 1,2 fucosyltransferase	gp:AF042743	AF042743

Description

Rattus norvegicus alpha 1,2 fucosyltransferase mRNA, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1194632_c3_244.....	2516	7738	68	207		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12350205_f3_94	2517	7739	614	1845	1095	8.1e-111

Protein name

Locus Name

Acc#

sp:UVRC_BACSU

P14951

Description

EXCINUCLEASE ABC SUBUNIT C

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12542657_f3_111	2518	7740	288	867	533	2.9e-51

Protein name

Locus Name

Acc#

ABC-type transport protein slr2044:protein
slr2044:protein slr2044

pir:S75197

S75197

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12973466_c1_168	2519	7741	530	1593	175	1.0e-16

Protein name

Locus Name

Acc#

Cps2J

gp:AF026471

AF026471

Description

Streptococcus pneumoniae DexB (dexB) gene, partial cds; putative transposase gene, complete cds; type 2 capsular polysaccharide biosynthesis operon, complete sequence; and AliA (aliA) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16047502_f1_4	2520	7742	451	1356	434	9.0e-41

Protein name

Locus Name

Acc#

spore maturation protein B: hypothetical
protein sl11677: hypothetical protein sl11677

pir:S74647

S74647

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16228385_f3_108	2521	7743	159	480	163	4.7e-12

Protein name: alkaline phosphatase homolog ykoX

Locus Name: pir:B69861

Acc#: B69861

Description:

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16508444_c1_123	2522	7744	408	1227		

Protein name:

Locus Name:

Acc#:

Description:

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20734688_c1_146	2523	7745	253	762	231	2.9e-19

Protein name:

Locus Name: sp:YEHT_ECOLI

Acc#:

Description:

HYPOTHETICAL 27.9 KD PROTEIN IN MOLR-BGLX INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20798338_f1_27	2524	7746	245	738	86	0.0026

Protein name: orf98

Locus Name: gp:AF160864

Acc#: AF160864

Description:

Tetrahymena pyriformis mitochondrial DNA, complete genome.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20882827_f1_34	2525	7747	1119	3360		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21907892_f2_67	2526	7748	305	918	175	2.2e-26

Protein name Locus Name Acc#

conserved hypothetical protein pir:C75368 C75368

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21991666_f1_28	2527	7749	323	972	498	1.5e-47

Protein name Locus Name Acc#

adhesion protein pir:C69180 C69180

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23477186_f1_14	2528	7750	243	732		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23595331_c3_251	2529	7751	293	879	343	1.7e-30

Protein name Locus Name Acc#

hypothetical protein sll1151 pir:S74882 S74882

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23631937_f3_88	2530	7752	143	432	177	1.5e-13

Protein name	Locus Name	Acc#
conserved hypothetical protein TP0650	pir:A71300	A71300

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24259677_f3_101	2531	7753	120	363		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24651660_c3_243	2532	7754	409	1230		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2516025_c1_126	2533	7755	405	1218		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26359436_f1_17	2534	7756	140	423	91	0.015

Protein name Locus Name Acc#

gp:PFMAL3P8

Description

Plasmodium falciparum MAL3P8, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26598453_f3_96	2535	7757	302	909	544	2.0e-52

Protein name Locus Name Acc#

sp:DEOC_CAEEL Q19264

Description

(PHOSPHODEOXYRIBOALDOLASE) (DEOXYRIBOALDOLASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29558432_f1_25	2536	7758	627	1884	818	1.8e-81

Protein name Locus Name Acc#

X-Pro dipeptidyl-peptidase, pir:JC5142 JC5142

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30276587_c1_157	2537	7759	132	399		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30479750_f2_56	2538	7760	151	456	191	5.1e-15

Protein name	Locus Name	Acc#
	sp:YPJD_BACSU	P42979

Description

HYPOTHETICAL 13.0 KD PROTEIN IN QCRC-DAPB INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30664678_c2_173	2539	7761	377	1134	131	1.8e-05

Protein name	Locus Name	Acc#
glucose-binding protein	gp:PPU74323	U74323

Description

Pseudomonas putida glucose-binding protein (glbB) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31444012_c1_161.....	2540	7762	304	915	91	0.017

Protein name	Locus Name	Acc#
Gly1ORF1	gp:AF003941	AF003941

Description

Neisseria gonorrhoeae Gly1ORF1 and Gly1ORF2 genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33400260_f1_6.....	2541	7763	544	1635	123	0.00055

Protein name	Locus Name	Acc#
hypothetical protein F56H9.1	pir:T22808	T22808

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33678186_c2_202	2542	7764	154	465		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33992811_E3_95	2543	7765	158	477	379	6.1e-35

Protein name Locus Name Acc#

hypothetical protein pir:S39974 S39974

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34183407_E2_72	2544	7766	191	576		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4314637_F1_22	2545	7767	303	912	698	9.5e-69

Protein name Locus Name Acc#

sp:SRPH_SYNP7 Q59967

Description

SERINE ACETYLTRANSFERASE, PLASMID, (SAT)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4490938_f3_93	2546	7768	631	1896	1457	3.5e-149

Protein name

Locus Name

Acc#

sp:GIDA_PSEPU

P25756

Description

GLUCOSE INHIBITED DIVISION PROTEIN A

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4579011_f3_100	2547	7769	454	1365	667	1.8e-65

Protein name

Locus Name

Acc#

sp:Y064_SYNY3

Q55156

Description

HYPOTHETICAL 43.0 KD PROTEIN SLR0064

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4687767_c3_242.....	2548	7770	566	1701		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4719628_f1_36.....	2549	7771	312	939	541	4.1e-52

Protein name

Locus Name

Acc#

sp:YJES_ECOLI

P39288

Description

HYPOTHETICAL 43.1 KD PROTEIN IN PSD-AMIB INTERGENIC REGION (F379)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4766461_f2_52	2550	7772	240	723	396	9.6e-37

Protein name

Locus Name
sp:APT1_WHEAT

Acc#
Q43199

Description

ADENINE PHOSPHORIBOSYLTRANSFERASE 1, (APRT)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4804652_c1_145	2551	7773	679	2040	225	3.6e-15

Protein name

Locus Name
gp:D90868

Acc#

Description

E.coli genomic DNA, Kohara clone #414(53.8-54.2 min.).

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5292206_f2_75	2552	7774	207	624	222	2.6e-18

Protein name

Locus Name
sp:YFU2_BACST

Acc#
Q04729

Description

(ORF2)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6254457_c3_248	2553	7775	371	1116	989	1.4e-99

Protein name

Locus Name
sp:RUVB_PSEAE

Acc#
Q51426

Description

HOLLIDAY JUNCTION DNA HELICASE RUVB

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6525_c1_151	2554	7776	354	1065	478	2.0e-45

Protein name

octylprenyl diphosphate synthase-like protein

Description

Pseudomonas sp. BG33R strain BG33R octylprenyl diphosphatesynthase-like protein gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7078137_c2_200	2555	7777	136	411		

Protein name

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
B94058_f2_60	2556	7778	1001	3006	2069	5.0e-214

Protein name

DNA polymerase I

Description

Rhodothermus obamensis DNA polymerase I (polA) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10187642_f1_26	2557	7779	256	771	112	6.3e-05

Protein name

immunity region protein in prophage homolog ydcM

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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1035311_f2_115	2558	7780	71	216		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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10354011_c2_312	2559	7781	266	801		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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10550306_c3_436	2560	7782	352	1059		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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11989088_c2_364	2561	7783	92	279		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1220317_f2_113	2562	7784	309	930	264	9.3e-23

Protein name

Locus Name

sp:DDH_CORGL

Acc#

P04964

Description

MESO-DIAMINOPIMELATE D-DEHYDROGENASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12306502_f1_44	2563	7785	205	618	353	3.4e-32

Protein name

Locus Name

sp:KGUA_YEAST

Acc#

P15454

Description

GUANYLATE KINASE, (GMP KINASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12391401_f1_34	2564	7786	152	459	385	1.4e-35

Protein name

Locus Name

pir:D64944

Acc#

D64944

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12774028_f3_202	2565	7787	819	2460	355	3.5e-71

Protein name

Locus Name

sp:NRDD_HAEIN

Acc#

P43752

Description

ANAEROBIC RIBONUCLEOSIDE-TRIPHOSPHATE REDUCTASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1281260_c2_372	2566	7788	481	1446	454	6.8e-43

Protein name	Locus Name	Acc#
O-unit flippase-like protein	gp:YPE251713	AJ251713

Description

Yersinia pestis strain EV76 hemH gene (partial) and O-antigen genecluster for ddhD gene, ddhA gene, ddhB pseudogene, ddhC gene, prt gene, whyH gene, wzx gene, whyI pseudogene, whyJ gene, wzypseudogene, whyK gene, gmd pseudogene, fcl pseudogene, manC gene, whyL gene, manB gene, wzz gene and gsk gene (partial).

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14495090_c2_321	2567	7789	94	285		

Protein name

Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15812885_c3_448	2568	7790	334	1005	358	1.0e-32

Protein name

Locus Name Acc#

galactosyl transferase

gp:AF030373 AF030373

Description

Streptococcus pneumoniae strain SP-264 alpha, 1-6-glucosidase(dexB) gene, complete cds; capsular polysaccharide biosynthetic locus, complete sequence; and oligopeptide binding protein (aliA) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16056682_c1_245	2569	7791	96	291	74	0.013

Protein name

Locus Name Acc#

hypothetical protein

gp:SSU18930 Y18930

Description

Sulfolobus solfataricus 281 kb genomic DNA fragment, strain P2.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19551535_f3_192	2570	7792	118	357	113	9.3e-07

Protein name: unknown

Locus Name: gp:LL035629

Acc#: U35629

Description: Lactococcus lactis plasmid pSRQ802 abortive infection protein K(abiK) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1994055_c3_451	2571	7793	239	720	104	0.0028

Protein name: capsular polysaccharide biosynthesis homolog ywqE

Locus Name: pir:H70066

Acc#: H70066

Description:

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20492137_f3_188	2572	7794	167	504		

Protein name:

Locus Name:

Acc#:

Description: NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22292513_f2_109	2573	7795	185	558	179	9.5e-14

Protein name: Phosphinothricin acetyltransferase (EC

Locus Name: gp:D90784

Acc#:

Description: E.coli genomic DNA, Kohara clone #273(32.5-32.8 min.).

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23486536_c2_340	2574	7796	60	183		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23554651_c2_349	2575	7797	370	1113	1086	7.3e-110

Protein name	Locus Name	Acc#
PhnW	gp:STU69493	U69493

Description

Salmonella typhimurium ThiJ and Orf1 genes, partial cds, and PhnX, PhnW, PhnR, PhnS, PhnT, PhnU and PhnV genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23565628_f3_241	2576	7798	69	210		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23625311_c3_415	2577	7799	388	1167	745	5.0e-96

Protein name	Locus Name	Acc#
dTDPglucose	pir:T00102	T00102

4,6-dehydratase, :dTDP-D-glucose-4,6-dehydratas
e:dTDP-glucose dehydratase

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23631627_c2_346	2578	7800	456	1371	340	8.2e-31
Protein name					Locus Name	Acc#
conserved hypothetical protein aq_1964					pir:D70468	D70468
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23632211_f3_239	2579	7801	221	666		
Protein name					Locus Name	Acc#
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23632880_c2_341	2580	7802	245	738	199	7.2e-16
Protein name					Locus Name	Acc#
hypothetical protein					gp:EFY17797	Y17797
Description						
Enterococcus faecalis gph, ydjH, ydjG, ydjI, pbp4 and ydiC, ORF2 and ORF3 genes, partial.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23697051_c2_357	2581	7803	305	918	305	4.2e-27
Protein name					Locus Name	Acc#
					sp:RUVA_PSEAE	Q51425
Description						

HOLLIDAY JUNCTION DNA HELICASE RUVA

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24066055_f3_173	2582	7804	310	933	107	0.022

Protein name

Locus Name

Acc#

gp:SCYDL057W

Description

S.cerevisiae chromosome IV reading frame ORF YDL057w.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24353386_f1_45	2583	7805	202	609	301	1.1e-26

Protein name

Locus Name

Acc#

sp:YQEQ_BACSU

P54455

Description

HYPOTHETICAL 22.2 KD PROTEIN IN AROD-COMER INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24412952_c3_452	2584	7806	146	441	128	2.4e-08

Protein name

Locus Name

Acc#

cold shock protein homolog cspC

pir:S43618

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24469555_c1_275	2585	7807	438	1317	988	1.8e-99

Protein name

Locus Name

Acc#

UDP-N-acetylglucosamine
1-carboxyvinyltransferase (murA) homolog

pir:G70158

G70158

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24644068_F3_203	2586	7808	154	465	322	6.6e-29

Protein name

Locus Name

sp:NRDG_HAEIN

Acc#

P45080

Description

(EC 1.97.1.-)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24645138_c3_444	2587	7809	210	633	110	3.5e-06

Protein name

Locus Name

gp:AF048749

Acc#

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648443_c3_394	2588	7810	474	1425	451	1.4e-42

Protein name

Locus Name

sp:YEBU_ECOLI

Acc#

Description

HYPOTHETICAL 53.2 KD PROTEIN IN PRC-PRPA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24804691_F2_152	2589	7811	1032	3099	1980	1.3e-204

Protein name

Locus Name

pir:S77008

Acc#

S77008

cation efflux system protein czcA-1:protein slr0794:protein slr0794

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2538562_c3_406	2590	7812	139	420	191	5.1e-15
Protein name				Locus Name		Acc#
response regulator homolog				pir:A69531		A69531
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2540885_f1_5	2591	7813	483	1452	119	0.00070
Protein name				Locus Name		Acc#
receptor antigen B (RagB)				gp:PGI130872		AJ130872
Description						
Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25510927_f3_242	2592	7814	429	1290	677	1.6e-66
Protein name				Locus Name		Acc#
				sp:YWNE_BACSU		P71040
Description						
HYPOTHETICAL 55.8 KD PROTEIN IN SP011Q-MTA INTERGENIC REGION						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25594152_c1_269	2593	7815	448	1347	262	4.2e-22
Protein name				Locus Name		Acc#
probable phosphoesterase, ykuE				pir:B69865		B69865
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26212837_c3_465	2594	7816	482	1449	1671	7.4e-172
Protein name				Locus Name		Acc#
polyA polymerase				gp:AB022867		AB022867
Description						
Prevotella ruminicola genes for polyA polymerase, D-alanineglycinepermease and cellulase, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26305136_c3_418	2595	7817	205	618	130	1.5e-08
Protein name				Locus Name		Acc#
				sp:RIMM_HAEIN		P44568
Description						
16S RRNA PROCESSING PROTEIN RIMM						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26360762_c2_352	2596	7818	98	297		
Protein name				Locus Name		Acc#
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26367332_f3_232	2597	7819	404	1215	135	4.7e-06
Protein name				Locus Name		Acc#
cation efflux system membrane protein czCC				pir:C33830		C33830
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26600682_f2_110	2598	7820	176	531		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2775312_f2_96	2599	7821	300	903	153	9.6e-09

Protein name _____ Locus Name _____ Acc# _____

hypothetical protein aq_1477 pir:D70428 D70428

Description _____

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29347260_c3_438	2600	7822	105	318		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29412901_c2_334	2601	7823	295	888	1030	6.3e-104

Protein name _____ Locus Name _____ Acc# _____

glucose-1-phosphate thymidyltransferase, pir:C69106 C69106

Description _____

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29475312_c1_276	2602	7824	395	1188	866	1.5e-86

Protein name _____ Locus Name _____ Acc# _____

sp:DXR_SYNY3 Q55663

Description _____

REDUCTOISOMERASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30164137_c3_422	2603	7825	292	879	460	1.6e-43

Protein name	Locus Name	Acc#
2-phosphonoacetaldehyde hydrolase	gp:PAU45309	U45309

Description
Pseudomonas aeruginosa 2-phosphonoacetaldehyde hydrolase gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31307880_f2_133	2604	7826	108	327		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31836562_f1_56.....	2605	7827	95	288	115	1.6e-06

Protein name	Locus Name	Acc#
sperm-specific protein component	gp:DMU90537	U90537

Description

Drosophila melanogaster sperm-specific protein component (dj) mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32614052_f3_204.....	2606	7828	562	1689	921	2.2e-92

Protein name	Locus Name	Acc#
probable permease b1828	pir:D64944	D64944

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33252182_c3_437	2607	7829	237	714	392	2.5e-36
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
ribose 5-phosphate isomerase (rpi) homolog			pir:G69367			G69367
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33400268_c3_467	2608	7830	701	2106	170	1.1e-09
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:YE09_SYNY3			P73594
<u>Description</u>						
HYPOTHETICAL WD-REPEAT PROTEIN SLR1409						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33992130_f1_57	2609	7831	138	417		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34022765_f3_184	2610	7832	99	300		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34172765_c3_449	2611	7833	373	1122	122	0.00018
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
hypothetical protein 4			pir:E22845			E22845
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34181500_f1_6	2612	7834	955	2868	651	1.1e-61
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
immunoreactive 106 kDa antigen PG115			gp:AF153767			AF153767
<u>Description</u>						
Porphyromonas gingivalis strain W50 immunoreactive 106 kDa antigenPG115 gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34181587_f2_103	2613	7835	720	2163	202	4.6e-15
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			gp:U93688			U93688
<u>Description</u>						
Staphylococcus aureus toxic shock syndrome toxin-1 (tst), enterotoxin (ent), and integrase (int) genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34572182_c3_468.....	2614	7836	921	2766	127	0.00026
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
conserved hypothetical protein aq_854			pir:B70374			B70374
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36329426_f1_54.....	2615	7837	700	2103	1174	3.4e-119
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:PPK_ECOLI			P28688
<u>Description</u>						
POLYPHOSPHATE KINASE,						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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39242137_c2_306	2616	7838	120	363	464	6.0e-44
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Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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3960126_c1_249	2617	7839	377	1134	108	0.0045
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Protein name

Locus Name

Acc#

gp:UMCRG1

X92509

Description

U.maydis crg1 gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4023452_f3_175	2618	7840	400	1203		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4062817_f1_58	2619	7841	417	1254	233	1.0e-17
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Protein name

Locus Name

Acc#

cation efflux system (czcB-like)

pir:E70342

E70342

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4094787_f3_174	2620	7842	1019	3060	745	1.9e-73

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4100377_c2_370	2621	7843	166	501	201	4.4e-16

Protein name

Locus Name

Acc#

unknown

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4104687_f1_20	2622	7844	105	318	116	4.5e-07

Protein name

Locus Name

Acc#

sp:Y4DJ_RHISN

P55409

Description

HYPOTHETICAL TRANSCRIPTIONAL REGULATOR Y4DJ

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4110262_c3_446	2623	7845	179	540	312	7.6e-28

Protein name

Locus Name

Acc#

sp:CAPG_STAAU

P39856

Description

CAPG PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4114692_f3_229	2624	7846	547	1644	1069	4.6e-108
Protein name			Locus Name		Acc#	
ABC-type transport protein slr0864:protein slr0864:protein slr0864			pir:S74849		S74849	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4141886_f3_187	2625	7847	473	1422	107	0.029
Protein name			Locus Name		Acc#	
middle molecular weight neurofilament protein			gp:XL085969		U85969	
Description						
Xenopus laevis middle molecular weight neurofilament proteinNF-M(1) mRNA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4187767_c3_414	2626	7848	189	570	120	1.2e-06
Protein name			Locus Name		Acc#	
			sp:YH74_METTH		027802	
Description						
HYPOTHETICAL PROTEIN MJ1774						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4412550_f2_104	2627	7849	165	498	105	6.6e-06
Protein name			Locus Name		Acc#	
			sp:IHFA_HAEIN		P43723	
Description						
INTEGRATION HOST FACTOR ALPHA-SUBUNIT (IHF-ALPHA)						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4457750_c2_342	2628	7850	208	627		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4719385_c2_344	2629	7851	290	873	235	1.1e-19

Protein name

Locus Name

Acc#

lipoprotein

gp:AF000945

AF000945

Description

Vibrio cholerae lipoprotein (nlpD) gene, partial cds, sigma S(rpoS) gene, complete cds, and methyl-directed mismatch repairprotein (mutS) gene, partial cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4726557_f2_160	2630	7852	185	558	246	7.5e-21

Protein name

Locus Name

Acc#

AlgT

gp:AF190580

AF190580

Description

Pseudomonas syringae pv. syringae AlgT (algT) gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4876252_c3_447	2631	7853	341	1026	108	0.0038

Protein name

Locus Name

Acc#

galactosyl transferase

gp:SPN239004

AJ239004

Description

Streptococcus pneumoniae type 8 capsular gene cluster.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
4885937_f1_49	2632	7854	301	906	446	4.8e-42

Protein name

Locus Name

Acc#

putative 1,4-dihydroxy-2-naphthoate

gp:AF101047

Description

Haemophilus ducreyi putative
1,4-dihydroxy-2-naphthoate octaprenyltransferase, YadR (yadR), cytidine
5'monophosphate N-acetylneuraminic acid synthetase (neuA),
lipooligosaccharide sialyltransferase (lst), and putative
dTDP-D-glucose 4,6-dehydratase (rmlB) genes, complete cds; and

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
5178800_f2_114.....	2633	7855	240	723	325	3.2e-29

Protein name

Locus Name

Acc#

sp:HLY3_BACCE

P54176

Description

HEMOLYSIN III (HLY-III)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
5863277_c2_371.....	2634	7856	368	1107	406	8.3e-38

Protein name

Locus Name

Acc#

llm protein

pir:A55856

A55856

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
5892183_f3_198.....	2635	7857	143	432	121	1.3e-07

Protein name

Locus Name

Acc#

conserved hypothetical protein MTH700

pir:E69193

E69193

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5937787_f3_227	2636	7858	775	2328	152	2.0e-10

Protein name

Locus Name

Acc#

sp:YG04_HAEIN

P45268

Description

PUTATIVE PHOSPHATE PERMEASE HI1604

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6066040_f3_208	2637	7859	297	894		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6345012_f1_43.....	2638	7860	304	915	360	6.2e-33

Protein name

Locus Name

Acc#

conserved hypothetical protein yloC

pir:A69878

A69878

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6428430_c3_450.....	2639	7861	376	1131	746	7.8e-74

Protein name

Locus Name

Acc#

cpsF protein, 40,6K

pir:S70157

S70157

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6835285_c3_393.....	2640	7862	125	378		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
7148412_F3_240	2641	7863	113	342		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14178177_c3_105	2642	7864	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19744643_c2_85	2643	7865	151	456		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23468752_c2_84	2644	7866	206	621	97	0.010

Protein name

Locus Name

Acc#

sp:VGP8_EBV

P03224

Description

PROBABLE MEMBRANE ANTIGEN GP85

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24337765_f1_23	2645	7867	267	804	365	3.0e-32
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Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24390925_f2_41	2646	7868	540	1623	2188	1.2e-226
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Protein name

Locus Name

Acc#

sp:PPCK_ANASU

009460

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24432692_c2_78	2647	7869	538	1617	92	0.031
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Protein name

Locus Name

Acc#

MerC protein

gp:EAMMRTRAN

Y08992

Description

E.agglomerans pKLH272 incomplete unit of mosaic mercury resistancetransposon.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24771187_f1_22	2648	7870	60	183		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24803760_f2_36	2649	7871	637	1914	1489	1.4e-152

Protein name	Locus Name	Acc#
putative oxidoreductase alpha-subunit	gp:SCAH10	AL132824

Description

Streptomyces coelicolor cosmid AH10.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25444787_c3_98	2650	7872	222	669	784	7.3e-78

Protein name	Locus Name	Acc#
Uracil phosphoribosyltransferase	gp:AB016085	AB016085

Description

Porphyromonas gingivalis Port, upp, and prtQ genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26056588_f2_37	2651	7873	337	1014	819	1.4e-81

Protein name	Locus Name	Acc#
probable oxidoreductase	pir:E70864	E70864

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26364836_c1_70	2652	7874	60	183		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26562750_c1_69	2653	7875	415	1248	196	9.6e-13

Protein name

Locus Name

Acc#

transposase

gp:AF038866

AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26854808_f1_2	2654	7876	117	354		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29290000_f1_11	2655	7877	300	903	148	4.2e-08

Protein name

Locus Name

Acc#

sp:MSMR_STRMU

Q00753

Description

MSM OPERON REGULATORY PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32455077_c1_73	2656	7878	261	786		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32602012_f2_43	2657	7879	81	246		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33647142_c2_76	2658	7880	277	834	280	1.9e-24

Protein name

Locus Name

Acc#

glycerophosphodiester phosphodiesterase
homolog yhdW

pir:E69827

E69827

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35235700_c1_60	2659	7881	62	189		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36520931_f2_42	2660	7882	798	2397	376	5.7e-31

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC
protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
392005_c1_72	2661	7883	579	1740		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3959677_c1_71	2662	7884	189	570		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4876450_c2_88	2663	7885	392	1179	88	0.00068

Protein name Locus Name Acc#

gp:D42067 D42067

Description

Porphyromonas gingivalis DNA for Fimbrilin, ORF1-4, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
822135_c3_106	2664	7886	90	273		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9933530_c2_77	2665	7887	66	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23487680_f2_13	2666	7888	443	1332	110	3.1e-10

Protein name

Locus Name

Acc#

conserved hypothetical protein yknZ

pir:E69858

E69858

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24641677_f2_14	2667	7889	425	1278	128	1.4e-05

Protein name

Locus Name

Acc#

conserved hypothetical protein yvrM

pir:G70047

G70047

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24664700_f3_22	2668	7890	113	342		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30347807_c3_46	2669	7891	304	915	132	3.4e-08

Protein name

Locus Name

Acc#

gp:AP000342

AP000342

Description

Plasmid R100 genomic DNA.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32072162_f2_12	2670	7892	429	1290	123	0.00013

Protein name

Locus Name

Acc#

sp:Y797_METJA

Q58207

Description

HYPOTHETICAL PROTEIN MJ0797

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3932937_f2_17	2671	7893	427	1284	219	7.5e-15

Protein name

Locus Name

Acc#

sp:YBJZ_ECOLI

P75831

Description

HYPOTHETICAL ABC TRANSPORTER ATP-BINDING PROTEIN YBJZ

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3960882_f3_23	2672	7894	224	675	602	1.4e-58

Protein name

Locus Name

Acc#

sp:YF08_METJA

Q58903

Description

HYPOTHETICAL ABC TRANSPORTER ATP-BINDING PROTEIN MJ1508

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4898552_f1_10	2673	7895	401	1206	120	0.00028

Protein name

Locus Name

Acc#

gp:D85752

D85752

Description

Enterococcus faecalis plasmid pPDI bacA, bacB, bacC, bacD, bacE, bacF, bacG, bacH and bacI genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
7220142_f2_11	2674	7896	215	648	127	3.1e-06

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
conserved hypothetical protein yvrM	pir:G70047	G70047
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10289015_f1_15	2675	7897	81	246		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10328155_c1_403	2676	7898	133	402	88	0.035

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein sl10241	pir:S75099	S75099
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1054188_c1_358	2677	7899	127	384		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10970392_f1_119	2678	7900	107	324		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11109662_f1_92	2679	7901	203	612	515	2.3e-49

Protein name

Locus Name

Acc#

Immunoreactive 21 kD antigen PG10

gp:AF144077

AF144077

Description

Porphyromonas gingivalis strain W50 immunoreactive 21 kD antigenPG10 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11132800_f1_31	2680	7902	499	1500	1616	5.0e-166

Protein name

Locus Name

Acc#

sp:SAHH_MESCR

P93253

Description

HYDROLASE) (ADOHCYASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
111725312_f3_261.....	2681	7903	120	363	240	3.2e-20

Protein name

Locus Name

Acc#

sp:RS15_BORBU

O51744

Description

30S RIBOSOMAL PROTEIN S15

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1219437_c1_425.....	2682	7904	532	1599	255	1.1e-34

Protein name

Locus Name

Acc#

sp:STS_HUMAN

P08842

Description

SULFATE SULFOHYDROLASE) (ARYLSULFATASE C) (ASC)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13757180_f2_220	2683	7905	60	183	70	0.033
Protein name			Locus Name		Acc#	
hypothetical protein APE1598			pir:A72539		A72539	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14063750_f1_124	2684	7906	452	1359	114	2.6e-05
Protein name			Locus Name		Acc#	
hypothetical protein PH0212			pir:B71244		B71244	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14173331_c2_516	2685	7907	113	342	103	1.1e-05
Protein name			Locus Name		Acc#	
hypothetical protein APE0625			pir:C72649		C72649	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14536453_c1_372	2686	7908	78	237		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14720052_f3_345	2687	7909	329	990	553	2.2e-53
Protein name			Locus Name		Acc#	
clindamycin resistance transfer factor btgB			pir:B41656		B41656	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14885826_f3_296	2688	7910	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15039137_c2_505	2689	7911	682	2049		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
167802_f3_342	2690	7912	323	972	151	5.7e-15

Protein name

Locus Name

Acc#

hypothetical protein SCJ12.27c

pir:T37044

T37044

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16986252_c2_479	2691	7913	261	786	595	7.8e-58

Protein name

Locus Name

Acc#

hypothetical protein jhpl180

pir:A71838

A71838

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19551337_c2_474	2692	7914	262	789	225	1.3e-18

Protein name

Locus Name

Acc#

hypothetical protein b2381

pir:B65012

B65012

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19625177_f2_232	2693	7915	353	1062	423	1.3e-39

Protein name	Locus Name	Acc#
thiamin monphosphate kinase	pir:G69052	G69052

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19719812_f3_346	2694	7916	440	1323	432	1.5e-40

Protein name	Locus Name	Acc#
NcoI DNA modification methyltransferase	gp:AF068761	AF068761

Description

Nocardia corallina NcoI DNA modification methyltransferase (ncoIM) and NcoI restriction endonuclease (ncoIR) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1992707_c1_402	2695	7917	167	504		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20742167_f3_344	2696	7918	112	339		

Protein name	Locus Name	Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
210937_c2_462	2697	7919	232	699		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21520936_f3_348.....	2698	7920	180	543		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21600627_f2_230.....	2699	7921	613	1842	888	7.0e-89

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

sp:SPPA_SYNY3	P73689
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Description

PROTEASE IV HOMOLOG, (ENDOPEPTIDASE IV)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21673205_c1_423.....	2700	7922	1178	3537	633	2.2e-62

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

receptor antigen (RagA)	gp:PGI130872	AJ130872
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Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21673332_c1_424	2701	7923	656	1971		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21757701_f1_93	2702	7924	95	288		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22064087_c2_458	2703	7925	66	201	51	0.016

Protein name Locus Name Acc#

cytochrome oxidase subunit II gp:TIMY18821 Y18821

Description

Timarcha metallica mitochondrial tRNA-Leu and partial COII genes, isolate Forest d'Anlier.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22078391_f3_333	2704	7926	62	189		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22462842_c1_397	2705	7927	375	1128		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22687827_c3_551.....	2706	7928	443	1332	136	9.8e-05

Protein name

Locus Name

Acc#

hypothetical protein

pir:H75507

H75507

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22838405_c3_598.....	2707	7929	1251	3756	333	5.6e-47

Protein name

Locus Name

Acc#

hybrid histidine kinase

gp:AF029704

AF029704

Description

Dictyostelium discoideum hybrid histidine kinase (dhkD) mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23492786_c1_395.....	2708	7930	85	258		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2350306_f1_106.....	2709	7931	100	303	105	6.6e-06

Protein name

Locus Name

Acc#

hypothetical protein PH0217

pir:G71244

G71244

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23537750_f2_168	2710	7932	567	1704	269	3.5e-21

Protein name	Locus Name	Acc#
immunoreactive 53 kD antigen PG123	gp:AF144641	AF144641

Description

Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigenPG123 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23625061_f2_247	2711	7933	246	741		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23629407_f2_244	2712	7934	410	1233	184	1.3e-13

Protein name	Locus Name	Acc#
hypothetical protein (avrc 3' region)	pir:C43649	C43649

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23633430_c3_552	2713	7935	435	1308		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23875636_F2_151	2714	7936	87	264		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23876527_C1_356	2715	7937	61	186	53	0.016

Protein name	Locus Name	Acc#

TrkA	gp:BSU62055	U62055
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Description

Bacillus subtilis CzcD (czcD) gene, partial cds, TrkA (trkA) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23939825_F3_341	2716	7938	633	1902	224	4.5e-30

Protein name	Locus Name	Acc#

sp:YF65_METJA	Q58960
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Description

HYPOTHETICAL PROTEIN MJ1565

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23985687_F2_231	2717	7939	285	858	736	8.9e-73

Protein name	Locus Name	Acc#

purine nucleoside phosphorylase	pir:H72217	H72217
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Description

23875636_F2_151

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24250953_f3_254	2718	7940	640	1923	941	1.9e-98
Protein name			Locus Name		Acc#	
hypothetical protein F10M10.30			pir:T04772		T04772	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24257177_f3_297	2719	7941	688	2067	1426	4.9e-173
Protein name			Locus Name		Acc#	
methionyl-tRNA synthetase (mets) PAB2364			pir:B75074		B75074	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2428417_c3_594	2720	7942	67	204		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24335131_f2_222	2721	7943	64	195	106	5.1e-06
Protein name			Locus Name		Acc#	
hypothetical protein PH0219			pir:A71245		A71245	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24343756_f3_255	2722	7944	62	189		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24401002_c2_500	2723	7945	114	345		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24412626_f2_140.....	2724	7946	682	2049		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
244636_c3_591.....	2725	7947	321	966		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24487752_f2_249.....	2726	7948	349	1050	109	0.012

Protein name _____ Locus Name _____ Acc# _____

DNA-directed RNA polymerase, beta'-2
chain:RNA polymerase rpoC2

pir:S72284 S72284

Description _____

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24494067_f2_169	2727	7949	357	1074	138	1.1e-08

Protein name

Locus Name

Acc#

thiol:disulfide interchange protein homolog
yneN

pir:E69891

E69891

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24503502_f2_143	2728	7950	98	297	124	7.3e-08

Protein name

Locus Name

Acc#

hypothetical protein

gp:SSU18930

Y18930

Description

Sulfolobus solfataricus 281 kb genomic DNA fragment, strain P2.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24642312_c2_464	2729	7951	105	318		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24646916_f1_52	2730	7952	185	558	203	2.7e-16

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24647188_c2_502	2731	7953	209	630	77	0.019

Protein name

Locus Name

Acc#

gp:HIVY16028

Y16028

Description

HIV-1 vif, vpr, tat, vpu genes, strain 95CAMP448.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648417_f3_309	2732	7954	291	876	375	1.4e-41

Protein name

Locus Name

Acc#

macrophage infectivity potentiator

gp:LAU91606

U91606

Description

Legionella adelaidensis macrophage infectivity potentiator (mip) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648442_c3_553.....	2733	7955	504	1515	131	0.00012

Protein name

Locus Name

Acc#

gp:SCYDL057W

Description

S.cerevisiae chromosome IV reading frame ORF YDL057w.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24650150_c1_396.....	2734	7956	466	1401		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24798157_c2_460	2735	7957	119	360		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2531537_f2_197	2736	7958	370	1113		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25547302_c1_379	2737	7959	355	1068	205	3.1e-14

Protein name Locus Name Acc#

AlgZ gp:PAU52431 U52431

Description

Pseudomonas aeruginosa AlgR-cognate sensor AlgZ (algZ) gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25578342_f1_120	2738	7960	380	1143		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25632882_f1_108	2739	7961	384	1155	321	8.5e-29
Protein name			Locus Name		Acc#	
conserved hypothetical protein aq_1656			pir:C70443		C70443	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26290890_f3_256	2740	7962	1087	3264	422	1.1e-73
Protein name			Locus Name		Acc#	
115K outer membrane protein precursor:SusC protein			pir:JC6027		JC6027	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26364458_c1_433	2741	7963	638	1917	1704	2.4e-175
Protein name			Locus Name		Acc#	
GTP-binding elongation factor family protein TypA/BipA			pir:E75426		E75426	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26445263_c1_378	2742	7964	435	1308	252	5.8e-19
Protein name			Locus Name		Acc#	
immunoreactive 52kD antigen PG41			gp:AF175716		AF175716	
Description						
Porphyromonas gingivalis strain W50 immunoreactive 52kD antigenPG41 gene, complete cds.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26595663_c3_550	2743	7965	358	1077		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26619587_c2_504.....	2744	7966	392	1179	271	3.6e-27

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

coenzyme PQQ synthesis protein (pqgE) homolog	pir:F69551	F69551
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26640807_f3_252.....	2745	7967	496	1491		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
282708_f3_320.....	2746	7968	60	183		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29479502_f2_246.....	2747	7969	243	732	126	2.3e-06

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

probable transcription regulator	pir:T34578	T34578
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29479676_c2_461	2748	7970	106	321	202	3.5e-16

Protein name

Locus Name

Acc#

sp:DBH_BACST

Description

DNA-BINDING PROTEIN II (HB) (HU)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29775466_c1_427	2749	7971	126	381	103	1.1e-05

Protein name

Locus Name

Acc#

hypothetical protein APE0626

pir:D72649

D72649

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30345437_c1_420	2750	7972	419	1260	589	3.4e-57

Protein name

Locus Name

Acc#

hypothetical protein

gp:PGI237898

AJ237898

Description

Porphyromonas gingivalis olpA and rbfA genes and ORF3 (partial), strain ATCC33277.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30563152_c3_574	2751	7973	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30681581_f3_311	2752	7974	104	315		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3134627...c1_419.....	2753	7975	486	1461	1062	2.5e-107

Protein name Locus Name Acc#

sp:KPYK_BORBU 051323

Description

PYRUVATE KINASE, (PK)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3156300...f2_172.....	2754	7976	403	1212	100	0.016

Protein name Locus Name Acc#

hypothetical protein DKFZp566D1824.1 pir:T14767 T14767

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31676317...f1_122.....	2755	7977	194	585		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31750058_f2_128	2756	7978	76	231		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3176437_f2_170	2757	7979	514	1545	1367	1.2e-139

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

hypothetical protein slr0904	pir:S75721	S75721
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
32064193_c1_387	2758	7980	404	1215	1403	1.9e-143

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

UDP-ManNAc dehydrogenase	gp:AF125164	AF125164
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Description

Bacteroides fragilis 638R polysaccharide B (PS B2) biosynthesis locus, complete sequence; and unknown genes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3234530_f2_127	2759	7981	379	1140	150	1.1e-07

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

hypothetical protein	pir:G75375	G75375
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33390680_f1_84	2760	7982	222	669	101	0.047
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
otoferlin			gp:AF107403		AF107403	
<u>Description</u>						
Homo sapiens otoferlin (OTOF) mRNA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33792160_f2_138	2761	7983	87	264	82	0.020
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			gp:PFMAL3P7			
<u>Description</u>						
Plasmodium falciparum MAL3P7, complete sequence.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34081405_c1_376.....	2762	7984	88	267	110	1.9e-06
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein PHS004			pir:F71245		F71245	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34094141_f2_248.....	2763	7985	229	690	156	2.6e-11
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
clindamycin resistance transfer factor btgA			pir:A41656		A41656	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34172157_c3_543	2764	7986	110	333	80	0.022

Protein name	Locus Name	Acc#
transposase	gp:EFENTIJO	Y16413

Description

Enterococcus faecium entI and entJ genes and two open readingframes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34176550_c3_549	2765	7987	346	1041	201	1.7e-13

Protein name	Locus Name	Acc#
integrase IntN1	gp:BUU51917	U51917

Description

Bacteroides uniformis insertion element NBU1 fragment, integraseIntN1 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34198800_c1_107.....	2766	7988	60	183	58	0.024

Protein name	Locus Name	Acc#
immunoglobulin heavy chain variable region	gp:BTU49783	U49783

Description

Bos taurus immunoglobulin rearranged heavy chain variable regionmRNA, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34259628_c1_398.....	2767	7989	104	315		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35172150_f2_152	2768	7990	71	216		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35839375_c1_351	2769	7991	370	1113	1470	1.5e-150

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36072640_c3_588	2770	7992	111	336	99	2.8e-05

Protein name

Locus Name

Acc#

hypothetical protein PH0994

pir:E71091

E71091

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3912762_f2_245	2771	7993	74	225		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3914093_f2_228	2772	7994	68	207		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4032890_c1_429	2773	7995	537	1614	441	3.2e-40
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
sensory transduction histidine kinase slr2098:protein slr2098:protein slr2098				pir:S75130		S75130
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4067837_c1_123	2774	7996	146	441		
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4095080_c1_401	2775	7997	692	2079	620	5.1e-92
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
				sp:Y590_METJA		Q58010
<u>Description</u>						
HYPOTHETICAL PROTEIN MJ0590						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4117188_c2_463	2776	7998	282	849	455	3.3e-58
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
helicase				gp:RNDNAB		Y13813
<u>Description</u>						
Rhodothermus marinus dnaB gene.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4117336_f1_90	2777	7999	260	783	368	8.9e-34
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein jhp0094			pir:E71975		E71975	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4157880_c1_388.....	2778	8000	380	1143	1207	1.1e-122
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
putative UDP-N-acetylglucosamine 2-epimerase			gp:ALW243431		AJ243431	
<u>Description</u>						

Acinetobacter lwoffii wzc, wzb, wza, weeA, weeB, weeC, wzx, wzy, weeD, weeE, weeF, weeG, weeH, weeI, weeJ, weeK, galU, ugd, pgi, galE, pgm (partial) and mip (partial) genes (emulsan biosynthetic gene cluster), strain RAG-1.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4320288_c2_473.....	2779	8001	1014	3045	712	3.0e-68
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:Y895_HAE1N			
<u>Description</u>						

HYPOTHETICAL PROTEIN HI0895

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4411636_c1_361.....	2780	8002	122	369		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4491411_f2_133	2781	8003	213	642	121	5.4e-05
Protein name			Locus Name		Acc#	
putative large secreted protein			gp:SCF12		AL117669	
Description						
Streptomyces coelicolor cosmid F12.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4494028_f3_299	2782	8004	396	1191	222	1.1e-16
Protein name			Locus Name		Acc#	
capsular polysaccharide biosynthesis protein			pir:F70441		F70441	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4569683_f1_76.....	2783	8005	165	498		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4580050_c1_399.....	2784	8006	401	1206		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4694410_f3_343	2785	8007	85	258		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4801588_f3_300	2786	8008	339	1020	96	0.0092

Protein name

Locus Name

Acc#

hypothetical protein F13H8.1

pir:T16066

T16066

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4860650_f1_14	2787	8009	95	288	75	0.0099

Protein name

Locus Name

Acc#

ct602 hypothetical protein

pir:F72036

F72036

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4881301_c1_363	2788	8010	306	921		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4884681_c1_365	2789	8011	99	300	113	9.3e-07

Protein name

Locus Name

Acc#

protein gp57

pir:T13144

T13144

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4886652_f3_280	2790	8012	574	1725	84	0.045
Protein name			Locus Name		Acc#	
hypothetical protein PFB0765w			pir:E71606		E71606	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4898437_f2_167	2791	8013	320	963	580	3.0e-56
Protein name			Locus Name		Acc#	
tyrosine recombinase XerD			gp:AF093548		AF093548	
Description						
Staphylococcus aureus tyrosine recombinase XerD (xerD) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4945451_f2_205	2792	8014	417	1254	214	7.8e-15
Protein name			Locus Name		Acc#	
probable mannosyltransferase			pir:C75423		C75423	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4960907_f2_229	2793	8015	174	525	206	1.3e-16
Protein name			Locus Name		Acc#	
hypothetical protein APE1457			pir:A72625		A72625	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
506502_f2_145	2794	8016	203	612	522	4.3e-50
Protein name			Locus Name		Acc#	
epoxidase			pir:F69187		F69187	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5093790_c3_571	2795	8017	89	270		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5110212_c1_364	2796	8018	338	1017		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5116680_f2_146	2797	8019	560	1683	1827	2.2e-188

Protein name _____ Locus Name _____ Acc# _____

probable acid--CoA ligase, MTH657 pir:D69187 D69187

Description _____

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5273337_f1_24	2798	8020	83	252		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5275263_c3_567	2799	8021	348	1047	226	5.0e-17

Protein name _____ Locus Name _____ Acc# _____

cation efflux system (czcB-like) pir:C70415 C70415

Description _____

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5332506_f2_221	2800	8022	95	288	73	0.034
Protein name			Locus Name		Acc#	
hypothetical protein PH0220			pir:B71245		B71245	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
589038_f3_325	2801	8023	96	291		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6095461_c1_418	2802	8024	143	432	379	6.1e-35
Protein name			Locus Name		Acc#	
3-dehydroquinate dehydratase,:carbonic 3-dehydroquinase:protein sll1112:carbonic 3-dehydroquinase:protein sll1112			pir:S77551		S77551	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6407762_c2_510	2803	8025	117	354	358	1.0e-32
Protein name			Locus Name		Acc#	
RBFA, putative			gp:PGI237898		AJ237898	
Description						

Porphyromonas gingivalis olpA and rbfA genes and ORF3 (partial), strain ATCC33277.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6586_f2_129	2804	8026	587	1764		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6829052_f3_298	2805	8027	458	1377	542	3.2e-52

Protein name

Locus Name

Acc#

O-antigen repeat unit transporter Wzx

gp:AF172324

AF172324

Description

Escherichia coli GalF (galF) gene, partial cds; O-antigen repeatunit transporter Wzx (wzx), WbnA (wbnA), O-antigen polymerase Wzy (wzy), WbnB (wbnB), WbnC (wbnC), WbnD (wbnD), WbnE (wbnE), UDP-Glc-4-epimerase Gale (gale), 6-phosphogluconate dehydrogenase Gnd (gnd), UDP-Glc-6-dehydrogenase Ugd (ugd), and WbnF (wbnF) genes, complete cds; and chain length determinant

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7142501_f3_304	2806	8028	439	1320	344	3.1e-31

Protein name

Locus Name

Acc#

hypothetical protein RP336

pir:B71690

B71690

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
791436_c3_612	2807	8029	220	663	363	3.0e-33

Protein name

Locus Name

Acc#

O-methyltransferase

pir:B70431

B70431

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
797311_f2_234	2808	8030	83	252		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
838915_f2_188.....	2809	8031	101	306	112	1.2e-06

Protein name Locus Name Acc#

hypothetical protein PH1791 pir:G71189 G71189

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
8501_c1_422.....	2810	8032	329	990		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9765652_f3_330.....	2811	8033	90	273	77	0.014

Protein name Locus Name Acc#

yhcV homolog 2:inosine-monophosphate dehydrogenase (guaB-2) homolog (misnomer) pir:F69514 F69514

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
976577_f2_150	2812	8034	832	2499	104	6.1e-05
Protein name				Locus Name		Acc#
hypothetical protein				gp:SSU18930		Y18930
Description						
Sulfolobus solfataricus 281 kb genomic DNA fragment, strain P2.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
993811_f3_310	2813	8035	162	489	282	1.2e-24
Protein name				Locus Name		Acc#
				sp:ASNC_ECOLI		P03809
Description						
REGULATORY PROTEIN ASNC						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9959637_c3_595.....	2814	8036	417	1254	101	0.0013
Protein name				Locus Name		Acc#
thiol:disulfide interchange protein				pir:C70314		C70314
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10191317_f1_20.....	2815	8037	128	387	93	2.1e-06
Protein name				Locus Name		Acc#
hypothetical protein Jv0534				gp:AF121009		AF121009
Description						
Mycobacterium tuberculosis H37Rv hypothetical protein Jv0534(Jv0534) mRNA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14566582_c1_74	2816	8038	635	1908	473	1.2e-43
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
sensory transduction histidine kinase slr2098:protein slr2098:protein slr2098				pir:S75130		S75130
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14574068_c1_99	2817	8039	78	234		
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14629712_f2_34	2818	8040	1066	3201	469	7.1e-80
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
115K outer membrane protein precursor:SusC protein				pir:JC6027		JC6027
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14944534_c3_164	2819	8041	68	207		
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16132962_c3_126	2820	8042	206	621	239	2.4e-19
Protein name			Locus Name		Acc#	
hypothetical protein RP329			pir:C71689		C71689	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1953877_f1_26	2821	8043	66	201		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19578827_f2_33	2822	8044	282	849		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20437662_f3_54	2823	8045	309	930	151	2.2e-08
Protein name			Locus Name		Acc#	
regulatory protein hpaA			pir:A55349			
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22348262_c2_124	2824	8046	754	2265	510	4.6e-46
Protein name			Locus Name		Acc#	
cation efflux (AcrB/AcrD/AcrF family)			pir:F70368		F70368	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22365790_f1_8	2825	8047	76	231	83	0.012

Protein name	Locus Name	Acc#
unknown	gp:AF007157	AF007157

Description

Homo sapiens clone 23856 unknown mRNA, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23546890_c2_120	2826	8048	253	762	275	6.3e-24

Protein name	Locus Name	Acc#
	sp:YEHT_ECOLI	

Description

HYPOTHETICAL 27.9 KD PROTEIN IN MOLR-BGLX INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23572188_f2_39.....	2827	8049	568	1707	392	4.1e-50

Protein name	Locus Name	Acc#
	sp:ACDB_BACSU	P45857

Description

ACYL-COA DEHYDROGENASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24250285_c3_151.....	2828	8050	81	246		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24407552_c2_102	2829	8051	317	954	357	1.2e-55

Protein name

Locus Name

Acc#

sp:DNAJ_THETH

Description

DNAJ PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24495463_f2_38	2830	8052	344	1035	710	5.1e-70

Protein name

Locus Name

Acc#

sp:FIXB_CLOAB

P53578

Description

FIXB PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24644011_f2_36	2831	8053	628	1887	441	1.6e-41

Protein name

Locus Name

Acc#

gp:ATAC005851

AC005851

Description

Arabidopsis thaliana chromosome II BAC F24D13 genomic sequence, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2845068_f3_56	2832	8054	70	213		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29476553_f1_6	2833	8055	62	189		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29851437_f2_29	2834	8056	435	1308	101	1.1e-07

Protein name Locus Name Acc#

cysteine proteinase CP1 pir:S67481 S67481

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3324133_c1_92	2835	8057	62	189		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33619587_c1_96	2836	8058	250	753	132	1.6e-09

Protein name Locus Name Acc#

conserved hypothetical protein pir:B75483 B75483

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3395627_f2_37	2837	8059	323	972	446	3.9e-47

Protein name Locus Name Acc#

sp:ETFB_CLOAB P52040

Description

TRANSFER FLAVOPROTEIN SMALL SUBUNIT) (ETFSS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34172130_f3_65	2838	8060	1348	4047	1255	1.3e-170
Protein name				Locus Name		Acc#
				sp:BGAL_BACME		052847

Description

BETA-GALACTOSIDASE, (LACTASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35556713_c2_100	2839	8061	77	234		
Protein name				Locus Name		Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36226538_c3_155.....	2840	8062	406	1221	247	2.8e-18
Protein name				Locus Name		Acc#
				sp:YEHU_ECOLI		

Description

HYPOTHETICAL 62.1 KD PROTEIN IN MOLR-BGLX INTERGENIC REGION PRECURSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4020962_c2_103.....	2841	8063	106	321	90	0.00026
Protein name				Locus Name		Acc#

transcription regulator MerR family

pir:D70361

D70361

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4475281_f1_14	2842	8064	587	1764	187	3.4e-11

Protein name	Locus Name	Acc#
unknown	gp:U96771	U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6694586_c3_139	2843	8065	62	189		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15633577_f2_1	2844	8066	66	201	103	0.00016

Protein name	Locus Name	Acc#
penicillin-binding protein 2	gp:AF147448	AF147448

Description

Pseudomonas aeruginosa strain PA01 penicillin-binding protein 2 (pbpA), rod-shape-determining protein (rodA), membrane-bound lytic transglycosylase (mltB), rare lipoprotein A (rlpA), penicillin-binding protein 5 (dacA), and lipote biosynthesis protein B (lipB) genes, complete cds; and unknown gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26595675_f3_5	2845	8067	437	1314	187	2.3e-26

Protein name	Locus Name	Acc#
	sp:RODA_HAEIN	P44468

Description

ROD SHAPE-DETERMINING PROTEIN RODA

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14865875_f3_5	2846	8068	346	1041	784	7.3e-78

Protein name

Locus Name

sp:FE0B_METJA

Acc#

Q57986

Description

FERROUS IRON TRANSPORT PROTEIN B HOMOLOG

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36382950_f2_3	2847	8069	94	285		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10734635_f2_10	2848	8070	830	2493	135	1.0e-05

Protein name

Locus Name

Acc#

unknown

gp:AF124349

AF124349

Description

Zymomonas mobilis ZM4 fosmid clone 41A4, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10740952_f1_3	2849	8071	247	744	121	2.1e-05

Protein name

Locus Name

Acc#

sp:PA1B_RAT

035264

Description

ACTIVATING FACTOR ACETYLHYDROLASE ALPHA 2 SUBUNIT (PAF-AH ALPHA 2)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24694837_f1_2	2850	8072	189	570		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34252176_f3_33	2851	8073	559	1680	567	9.4e-54

Protein name

Locus Name

Acc#

adenylate cyclase homolog

pir:T17197

T17197

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34406517_f3_16	2852	8074	1008	3027	822	6.9e-82

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6257826_f3_12	2853	8075	311	936	113	0.012

Protein name

Locus Name

Acc#

cyclic beta 1-2 glucan synthetase

pir:T31419

T31419

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11925285_f2_7	2854	8076	90	273	187	1.3e-14
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:Y328_SYNY3		Q55535	
<u>Description</u>						
(EC 3.1.3.48)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11930451_f1_2	2855	8077	112	339	118	2.8e-07
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:Y328_SYNY3		Q55535	
<u>Description</u>						
(EC 3.1.3.48)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21875776_c1_27	2856	8078	67	204		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
237905_f2_10	2857	8079	63	192		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24629781_f1_1	2858	8080	494	1485		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25958125_f1_5	2859	8081	392	1179	643	4.2e-84

Protein name Locus Name Acc#

sp:SYE_BACST P22249

Description

(GLURS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9765657_c2_36	2860	8082	704	2115	692	4.1e-68

Protein name Locus Name Acc#

sp:YQFF_BACSU

Description

HYPOTHETICAL 79.2 KD PROTEIN IN PHOH-DGKA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11756330_f1_2	2861	8083	107	324	142	7.9e-10

Protein name Locus Name Acc#

sp:YEAQ_ECOLI P76246

Description

HYPOTHETICAL 8.7 KD PROTEIN IN GAPA-RND INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12189053_f2_10	2862	8084	183	552	418	4.5e-39

Protein name	Locus Name	Acc#
30S ribosomal protein S7	gp:AF087414	AF087414

Description

Haemophilus ducreyi OapA (oapA), OapB (oapB), RfaF (rfaF), 30S ribosomal protein S12, and 30S ribosomal protein S7 genes, complete cds; and elongation factor G gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
192812_c1_28	2863	8085	161	486		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2238400...c3...63.....	2864	8086	147	444	147	1.9e-09

Protein name	Locus Name	Acc#
hypothetical protein Jv0166c	gp:AF121004	AF121004

Description

Mycobacterium tuberculosis H37Rv hypothetical protein Jv0166c(Jv0166c) mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22394692_c1_23.....	2865	8087	167	504	245	7.0e-20

Protein name	Locus Name	Acc#
	sp:YHA2_EIKCO	P35649

Description

HYPOTHETICAL 66.3 KD PROTEIN IN HAG2 5' REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22460877_f2_9	2866	8088	139	420	517	1.4e-49

Protein name Locus Name Acc#
sp:RS12_ANANI P18662

Description

30S RIBOSOMAL PROTEIN S12

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24275036_c3_56	2867	8089	90	273		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24804717_f1_4	2868	8090	709	2130	2946	0.0

Protein name Locus Name Acc#
EF-G gp:AB035469 AB035469

Description

Porphyromonas gingivalis gene for EF-G, complete cds, strain:SUNY1021.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2945300_f1_5	2869	8091	105	318	326	2.5e-29

Protein name Locus Name Acc#
ribosomal protein S10 gp:AF115283 AF115283

Description

Leptospira interrogans S10-spc-alpha locus, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34275250_f3_16	2870	8092	87	264	73	0.022
Protein name			Locus Name		Acc#	
D-29 protein			gp:GHLEA29		X13203	
Description						
Cotton set 5A Lea gene for seed protein D-29.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4064027_c1_29	2871	8093	382	1149	128	1.0e-10
Protein name			Locus Name		Acc#	
hypothetical protein RP338			pir:D71690		D71690	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4562800_f2_7	2872	8094	1437	4314	4541	0.0
Protein name			Locus Name		Acc#	
			sp:RPOC_PORCN		O33431	
Description						
BETA' CHAIN) (RNA POLYMERASE BETA' SUBUNIT) (FRAGMENT)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4773262_f1_3	2873	8095	110	333		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4881260_f1_6	2874	8096	125	378	293	7.9e-26

Protein name

Locus Name

Acc#

sp:RL3_THETH

P52860

Description

50S RIBOSOMAL PROTEIN L3

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
501401_c1_21	2875	8097	64	195	109	3.2e-05

Protein name

Locus Name

Acc#

sp:YHA2_EIKCO

P35649

Description

HYPOTHETICAL 66.3 KD PROTEIN IN HAG2 5'REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
666025_f3_12	2876	8098	276	831	892	2.6e-89

Protein name

Locus Name

Acc#

DNA-dependent RNA polymerase subunit beta

gp:LMY16468

Y16468

Description

Listeria monocytogenes unidentified gene and partial rpoB gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
985967_c1_22	2877	8099	142	429	245	7.0e-20

Protein name

Locus Name

Acc#

sp:YHA2_EIKCO

P35649

Description

HYPOTHETICAL 66.3 KD PROTEIN IN HAG2 5'REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11027152_c1_174	2878	8100	95	288	102	1.4e-05

Protein name	Locus Name	Acc#
hypothetical protein PH0133	pir:C71234	C71234
Description		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11803111_f2_79	2879	8101	132	399	95	7.5e-05

Protein name	Locus Name	Acc#
	sp:YGJM_ECOLI	P42594
Description		

HYPOTHETICAL 15.0 KD PROTEIN IN EBGC-UXAA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12376457_c3_246	2880	8102	495	1488	1521	5.8e-156

Protein name	Locus Name	Acc#
	sp:IMDH_AQUAE	O67820
Description		

DEHYDROGENASE) (IMPDH) (IMPD)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
136412_c3_263	2881	8103	788	2367		

Protein name	Locus Name	Acc#
Description		

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13757180_F3_171	2882	8104	60	183	70	0.033
Protein name			Locus Name		Acc#	
hypothetical protein APE1598			pir:A72539		A72539	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13798132_F2_69	2883	8105	68	207		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14890637_c1_200	2884	8106	87	264		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14890637_c1_202	2885	8107	89	270		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15117081_c1_182	2886	8108	259	780		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16445385_c3_248	2887	8109	102	309		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16617812_c1_172	2888	8110	195	588	127	3.1e-08

Protein name	Locus Name	Acc#

hypothetical protein aq_1103	pir:A70395	A70395
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_c1_194	2889	8111	431	1296	1723	2.3e-177

Protein name	Locus Name	Acc#

hypothetical protein	pir:JQ1020	JQ1020
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16835962_c2_206	2890	8112	63	192	162	6.0e-12

Protein name	Locus Name	Acc#

sp:RL32_BACST	P07840
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Description

50S RIBOSOMAL PROTEIN L32 (RIBOSOMAL PROTEIN I) (BL37)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16839002_c1_181	2891	8113	728	2187	1183	3.8e-120

Protein name	Locus Name	Acc#

DNA helicase RecQ	pir:G75413	G75413
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19537662_c3_251	2892	8114	398	1197		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19725256_c1_192	2893	8115	424	1275		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20007287_c3_234	2894	8116	312	939	677	1.6e-66

Protein name

Locus Name

Acc#

sp:ERA_BACSU

P42182

Description

GTP-BINDING PROTEIN ERA HOMOLOG (BEX PROTEIN)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20527135_c1_199	2895	8117	423	1272	273	3.1e-22

Protein name

Locus Name

Acc#

probable lipopolysaccharide
N-acetylglucosaminyltransferase, rfbU

pir:F64500

F64500

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20579552_c3_261	2896	8118	495	1488	172	2.1e-10

Protein name
Locus Name
Acc#

sp:Y907_METJA Q58317

Description

HYPOTHETICAL PROTEIN MJ0907

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21490762_c1_191	2897	8119	413	1242		

Protein name
Locus Name
Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22475317_f1_16.....	2898	8120	78	237		

Protein name
Locus Name
Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22697055_c2_218.....	2899	8121	88	267		

Protein name
Locus Name
Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22833311_c3_258	2900	8122	214	645		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_c2_225	2901	8123	83	252	64	0.031

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23448251_f1_37	2902	8124	571	1716		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23626500_c2_211	2903	8125	75	228		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24252127_c3_255	2904	8126	458	1377		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24407802_c1_198.....	2905	8127	264	795		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24500762_c2_228.....	2906	8128	203	612		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24509632_c1_173.....	2907	8129	438	1317	978	2.0e-98

Protein name

Locus Name

Acc#

sp:YPHC_BACSU

P50743

Description

REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24642262_c3_247	2908	8130	519	1560	133	8.0e-06

Protein name

Locus Name

Acc#

sp:PRSA_BACSU

P24327

Description

PROTEIN EXPORT PROTEIN PRSA PRECURSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24651442_c1_197	2909	8131	627	1884	121	0.00098

Protein name

Locus Name

Acc#

MAR binding filament-like protein 1:MFPI protein

pir:T07111

T07111

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25391905_c1_184	2910	8132	571	1716		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25781265_c3_256	2911	8133	107	324		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25907687_f1_26	2912	8134	69	210		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26289002_c3_233	2913	8135	339	1020	698	9.5e-69

Protein name _____ Locus Name _____ Acc# _____

synthase III pir:F70394 F70394

Description _____

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
265955_f1_52	2914	8136	130	393	221	3.3e-18

Protein name _____ Locus Name _____ Acc# _____

RNA-binding protein gp:SYORBPA L48548

Description _____

Synechococcus sp. PCC 7942 RNA-binding protein (rbpA) gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
27137_c2_226	2915	8137	62	189		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30120936_c3_240	2916	8138	257	774	933	1.2e-93
Protein name				Locus Name		Acc#
				gp:PGPUT		X97228

Description

P.gingivalis gpdxJ, put, and yhbG-pg genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31447126_c1_203	2917	8139	224	675	290	1.9e-25
Protein name				Locus Name		Acc#
CMP-N-acetylneuraminic acid synthetase				gp:MMU6215		AJ006215

Description

Mus musculus mRNA for CMP-N-acetylneuraminic acid synthetase.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33640927_c1_177	2918	8140	455	1368	205	1.8e-13
Protein name				Locus Name		Acc#
trigger factor				pir:C70416		C70416

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34081405_c3_231	2919	8141	88	267	110	1.9e-06
Protein name				Locus Name		Acc#
hypothetical protein PHS004				pir:F71245		F71245

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34165705_f2_i14	2920	8142	80	243		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34406640_f3_i134	2921	8143	96	291	127	3.1e-08

Protein name

Locus Name

Acc#

sp:YGJN_ECOLI

P42595

Description

HYPOTHETICAL 12.1 KD PROTEIN IN EBGC-UXAA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35343757_f2_i104	2922	8144	260	783	453	8.7e-43

Protein name

Locus Name

Acc#

probable ribonucleotide transport ATP-binding protein mkl (mkl) RP097

pir:H71718

H71718

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35661528_f1_i47	2923	8145	84	255	119	2.7e-07

Protein name

Locus Name

Acc#

hypothetical protein

gp:BSZ75208

Z75208

Description

B.subtilis genomic sequence 89009bp.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3929055_c3_260	2924	8146	410	1233		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4073567_c2_229	2925	8147	403	1212		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4100002_c1_201	2926	8148	83	252	72	0.020

Protein name

Locus Name

Acc#

sp:MT13_MYTED

P80248

Description

METALLOTHIONEIN 10-III (MT-10-III)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4178555_c1_193	2927	8149	167	504		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
42700_c1_195	2928	8150	268	807		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4490938_c2_215	2929	8151	418	1257	1153	5.8e-117

Protein name

Locus Name

Acc#

ClpX protein

gp:BSCLPXGEN

X95306

Description

B.subtilis clpX gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
48776_c3_242	2930	8152	246	741	585	9.0e-57

Protein name

Locus Name

Acc#

ATP-dependent protease proteolytic subunit ClpP

gp:AF127082

AF127082

Description

Myxococcus xanthus ATP-dependent protease proteolytic subunit ClpP (clpP), ATP-dependent protease ATPase subunit ClpX (clpX), prolylendopeptidase precursor Pep (pep), ATP-dependent protease LonV (lonV), oligopeptide permease homolog OppA (oppA), oligopeptidepermease homolog OppB (oppB), and oligopeptide permease homolog OppC (oppC) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4882801_c2_227	2931	8153	139	420		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4957677_c1_183	2932	8154	459	1380	252	5.2e-19

Protein name

Locus Name

Acc#

sp:SURA_ECOLI

Description

SURA), (PPIASE) (ROTAMASE C)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6695412_f3_159	2933	8155	323	972	333	4.5e-30

Protein name

Locus Name

Acc#

conserved hypothetical protein aq_355

pir:E70331

E70331

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6757757_c3_249.....	2934	8156	634	1905	838	1.4e-83

Protein name

Locus Name

Acc#

sp:MUTL_BACSU

P49850

Description

DNA MISMATCH REPAIR PROTEIN MUTL

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
781290_c3_236.....	2935	8157	236	711	268	3.5e-23

Protein name

Locus Name

Acc#

vsrD protein

pir:I40540

I40540

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
818785_c3_262	2936	8158	410	1233		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
130278_c3_244	2937	8159	539	1620	1138	2.3e-115

Protein name

Locus Name

Acc#

phosphoribosylaminoimidazolecarboxamide
formyltransferase

pir:C70468

C70468

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13688436_c1_177	2938	8160	127	384	171	6.7e-13

Protein name

Locus Name

Acc#

YHCF

gp:AB024564

AB024564

Description

Bacillus halodurans gene for TNPA, ERMK, YCBJ, YHCG, YHCF and YHCE, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14570812_c1_175	2939	8161	220	663	94	0.0032

Protein name

Locus Name

Acc#

sp:EXB1_XANCP

034259

Description

BIOPOLYMER TRANSPORT EXBD1 PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15714000_f2_81	2940	8162	473	1422	895	1.3e-89

Protein name

Locus Name

Acc#

gp:BNRRTEAB

Description

Bacteroides thetaiotaomicron rteA and rtaB genes involved in production of plasmid-like forms, complete cds, and tetQ gene, 3'end.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_f1_22	2941	8163	431	1296	1723	2.3e-177

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
17079008_c1_179.....	2942	8164	288	867	162	3.5e-10

Protein name

Locus Name

Acc#

unknown

gp:AF062647

AF062647

Description

Butyrivibrio fibrisolvens butyrivibriocin OR79 (bvi79) gene, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19570256_c1_180.....	2943	8165	513	1542		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
195812_c1_178	2944	8166	269	810	75	0.048

Protein name

Locus Name

Acc#

gp:YSCMTRF21

Description

Yeast (S.uvarum) mitochondria RF2 gene, segment 1.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_f2_77	2945	8167	83	252	64	0.031

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2350306_f3_169	2946	8168	100	303	105	6.6e-06

Protein name

Locus Name

Acc#

hypothetical protein PH0217

pir:G71244

G71244

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23625127_c1_173	2947	8169	283	852	197	1.2e-15

Protein name

Locus Name

Acc#

TolQ protein

gp:PPPAL1

X74218

Description

Pseudomonas putida ruvB, tolQ, tolR, tolA, tolB and oprL genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23870287_f3_126	2948	8170	65	198		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23944506_f1_45	2949	8171	64	195	106	5.1e-06

Protein name

Locus Name

Acc#

hypothetical protein PH0219

pir:A71245

A71245

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24015950_c2_208	2950	8172	792	2379	107	0.00022

Protein name

Locus Name

Acc#

outer membrane protein Omp85

gp:AF021245

AF021245

Description

Neisseria meningitidis outer membrane protein Omp85 (omp85) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24229677_c3_238	2951	8173	283	852	388	6.7e-36

Protein name

Locus Name

Acc#

NorM

gp:AB010463

AB010463

Description

Vibrio parahaemolyticus gene for NorM, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24484666_c2_215	2952	8174	347	1044	761	2.0e-75

Protein name	Locus Name	Acc#
rod shape determining protein MreB	pir:B70373	B70373

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24487803_f2_93	2953	8175	70	213		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24641925_c3_243	2954	8176	798	2397	110	0.033

Protein name	Locus Name	Acc#
115K outer membrane protein precursor:Susc protein	pir:JC6027	JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24647752_c3_225	2955	8177	479	1440	178	1.2e-10

Protein name	Locus Name	Acc#
conserved hypothetical protein MTH83	pir:F69210	F69210

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25635393_c3_245	2956	8178	187	564		

Protein name	Locus Name	Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
266067_f1_27	2957	8179	102	309		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26673162_f3_152	2958	8180	65	198		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26767842_c2_216	2959	8181	364	1092	442	1.8e-41

Protein name Locus Name Acc#

penicillin-binding protein 2 gp:AF147448 AF147448

Description

Pseudomonas aeruginosa strain PA01 penicillin-binding protein 2 (pbpA), rod-shape-determining protein (rodA), membrane-bound lytic transglycosylase (mltB), rare lipoprotein A (rlpA), penicillin-binding protein 5 (dacA), and lipoate biosynthesis protein B (lipB) genes, complete cds; and unknown gene.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
282708_f2_107	2960	8182	60	183		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29350402_c1_196	2961	8183	290	873	193	5.0e-14
Protein name			Locus Name		Acc#	
rod shape-determining protein (mreC) homolog			pir:C70189		C70189	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30656500_c2_214	2962	8184	681	2046	1802	9.8e-186
Protein name			Locus Name		Acc#	
PepO			gp:AB010440		AB010440	
Description						
Porphyromonas gingivalis gene for PepO, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3157802_c2_204	2963	8185	422	1269	514	3.0e-49
Protein name			Locus Name		Acc#	
			sp:Y4WA_RHISN		P55679	
Description						
HYPOTHETICAL ZINC PROTEASE Y4WA,						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31813761_f1_37	2964	8186	85	258		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33210875_c1_182	2965	8187	252	759	647	2.4e-63

Protein name

Locus Name

Acc#

sp:FABG_BACSU

Description

ACYL CARRIER PROTEIN REDUCTASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34081405_c3_220	2966	8188	88	267	110	1.9e-06

Protein name

Locus Name

Acc#

hypothetical protein PHS004

pir:F71245

F71245

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36.15.15.75_c3_228.....	2967	8189	462	1389	212	2.5e-14

Protein name

Locus Name

Acc#

erythromycin esterase homolog ybfo

pir:A69750

A69750

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
393.7535_c3_236.....	2968	8190	200	603	166	1.6e-11

Protein name

Locus Name

Acc#

NorM

gp:AB010463

AB010463

Description

Vibrio parahaemolyticus gene for NorM, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
394135_c3_231	2969	8191	243	732	276	5.0e-24

Protein name

Locus Name

sp:YG29_SYNY3

Acc#

P74346

Description

HYPOTHETICAL 36.0 KD PROTEIN SLR1629

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4040878_c3_239	2970	8192	767	2304	725	1.9e-75

Protein name

Locus Name

pir:A41860

Acc#

A41860

tetracycline resistance element regulator RteA

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4741507_c2_198	2971	8193	319	960	154	4.6e-14

Protein name

Locus Name

pir:C72276

Acc#

C72276

phosphate ABC transporter, periplasmic phosphate-binding protein

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4806377_c1_174	2972	8194	205	618	109	4.2e-06

Protein name

Locus Name

gp:AF047974

Acc#

AF047974

ExbD2

Description

Vibrio cholerae TolR (tolR), ExbB2 (exbB2), ExbD2 (exbD2), and TonB2 (tonB2) genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4877187_c3_224	2973	8195	274	825	153	8.2e-09

Protein name

Locus Name

sp:TONB_HELPY

Acc#

025899

Description

TONB PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4880452_c2_200	2974	8196	300	903	512	4.9e-49

Protein name

Locus Name

gp:AF082183

Acc#

AF082183

Description

Streptococcus mutans ABC transporter MutF (mutF), membrane spanning protein MuteE (muteE), and membrane protein MutG (mutG) genes, complete cds; and fructose bi-phosphate aldolase (fba) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4954682_c1_176	2975	8197	275	828		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5120327_c2_199	2976	8198	286	861	457	3.3e-43

Protein name

Locus Name

pir:D70171

Acc#

D70171

Description

ABC transporter, ATP-binding protein homolog

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5132937_c2_213	2977	8199	653	1962	1066	9.6e-108

Protein name	Locus Name	Acc#
ABC-type transport protein slr0864:protein slr0864:protein slr0864	pir:S74849	S74849

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6369006_c1_181	2978	8200	199	600	143	6.2e-10

Protein name	Locus Name	Acc#
	sp:YP23_STAAU	P23217

Description

HYPOTHETICAL TRANSCRIPTIONAL REGULATOR IN QACA 5'REGION (ORF 188)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6425_c3_222	2979	8201	165	498		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
663463_c2_207	2980	8202	1518	4557		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6966_f2_109	2981	8203	76	228	54	0.034

Protein name	Locus Name	Acc#
unknown	gp:MHU75508	U75508

Description

Marinococcus halophilus plasmid pPL1, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7225883_c3_235	2982	8204	301	906	165	1.3e-22

Protein name	Locus Name	Acc#
CGI-124 protein	gp:AF151882	AF151882

Description

Homo sapiens CGI-124 protein mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
865757_f2_103	2983	8205	128	387		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9845313_c2_209	2984	8206	333	1002		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24644061_c2_20	2985	8207	256	771		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30272067_f2_6	2986	8208	726	2181	567	4.7e-56

Protein name

Locus Name

Acc#

hybrid histidine kinase homolog

gp:AF024619

AF024619

Description

Pseudomonas fluorescens hybrid histidine kinase homolog (styS) and response regulatory protein (styR) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33400260_c1_15	2987	8209	536	1611	124	0.00030

Protein name

Locus Name

Acc#

STARP antigen

gp:PFSTARP

Z26314

Description

P.falciparum gene for STARP antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
830003_f2_10	2988	8210	73	222		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9862501_f2_9	2989	8211	109	330		

Protein name

Description

NO-HIT

Locus Name

Acc#

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10547781_f1_4	2990	8212	124	375	145	3.8e-10

Protein name

hypothetical protein sll0939

Description

Locus Name

pir:S74723

Acc#

S74723

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_c3_86	2991	8213	431	1296	1723	2.3e-177

Protein name

hypothetical protein

Description

Locus Name

pir:JQ1020

Acc#

JQ1020

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22475387_c2_82	2992	8214	76	231	74	0.013

Protein name

envelope glycoprotein

Description

Locus Name

gp:AF113578

Acc#

AF113578

HIV-1 isolate 302_04 group O from Spain envelope glycoprotein (env) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22848261_f3_53	2993	8215	687	2064	110	1.0e-05

Protein name
 conserved hypothetical protein MTH695

Locus Name
 pir:F69192

Acc#
 F69192

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_c1_54	2994	8216	83	252		

Protein name

Locus Name

Acc#

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23453775_f1_11	2995	8217	837	2514	170	2.7e-09

Protein name

Locus Name
 pir:G72385

Acc#
 G72385

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23525938_c3_103	2996	8218	85	258		

Protein name

Locus Name

Acc#

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25816887_f2_17	2997	8219	148	447		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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26598385_c3_96	2998	8220	456	1371	772	1.4e-76
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Protein name	Locus Name	Acc#
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transcription regulator NtrC family	pir:C70396	C70396
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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30276562_f3_47.....	2999	8221	495	1488	148	4.2e-07
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Protein name	Locus Name	Acc#
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immunoreactive 52kD antigen PG41	gp:AF175716	AF175716
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Description

Porphyromonas gingivalis strain W50 immunoreactive 52kD antigenPG41 gene, complete cds.						
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ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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31486011_c3_102.....	3000	8222	153	462		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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31486011_f2_15.....	3001	8223	74	225		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33244627_f3_34	3002	8224	212	639	122	0.00016

Protein name

Locus Name

Acc#

hypothetical protein H02F09.3

pir:T33369

T33369

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33382801_f3_39.....	3003	8225	81	246	65	0.0051

Protein name

Locus Name

Acc#

sp:YF03_MYCPN

P75445

Description

HYPOTHETICAL 85.3 KD PROTEIN F10_ORF750

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33407256_f2_26.....	3004	8226	434	1305	172	4.3e-10

Protein name

Locus Name

Acc#

hypothetical protein aq_294

pir:H70326

H70326

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3407187_c2_81.....	3005	8227	429	1290	260	2.8e-20

Protein name

Locus Name

Acc#

sensor

gp:PSEFLESR

L41213

Description

Pseudomonas aeruginosa (strain PAK) putative fleR kinase (fleS) and transcriptional activator (fleR) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3937553_c1_66	3006	8228	417	1254	115	2.5e-06

Protein name

Locus Name

Acc#

integrase

gp:BFU75371

U75371

Description

Bacteroides fragilis transposon Tn4555 TnpA (tnpA), integrase(int), TnpC (tnpC), excisionase (xis), mobilization protein (mobA), and beta-lactamase (cfxA) genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4179002_c1_67	3007	8229	210	633	106	0.014

Protein name

Locus Name

Acc#

high-molecular-weight surface-exposed protein
HMW1

pir:A43855

A43855

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6651552_t3_35.....	3008	8230	125	378		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10640787_t2_57.....	3009	8231	229	690	541	4.1e-52

Protein name

Locus Name

Acc#

yhgF protein

pir:B65136

B65136

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10664125_c2_136	3010	8232	982	2949	578	1.2e-93

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
putative secreted protein	gp:SCM11	AL133278

Description

Streptomyces coelicolor cosmid M11.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10822142_c2_148	3011	8233	60	183	94	0.00081

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
transposase	gp:AF038866	AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10945937_c3_159.....	3012	8234	104	315	137	2.6e-08

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
	sp:YDEG_SCHPO	Q10449

Description

HYPOTHETICAL 57.2 KD PROTEIN C12B10.16C IN CHROMOSOME I

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
193757_c2_135.....	3013	8235	1054	3165	874	2.1e-87

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
115K outer membrane protein precursor:SusC protein	pir:JC6027	JC6027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19688750_f2_41	3014	8236	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21484385_f3_81	3015	8237	78	237		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23469015_c2_152	3016	8238	250	753		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24039688_c1_115	3017	8239	391	1176	457	6.4e-53

Protein name

Locus Name

Acc#

alkaline phosphatase

pir:B72410

B72410

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24219562_c1_111	3018	8240	98	297	102	7.3e-05

Protein name

Locus Name

Acc#

glucokinase

pir:F72246

F72246

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24226532_f3_92	3019	8241	407	1224	423	1.3e-39

Protein name

Locus Name

sp:XYLR_HABIN

Acc#

P45043

Description

XYLOSE OPERON REGULATORY PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24308311_f2_49	3020	8242	135	408	141	2.0e-09

Protein name

Locus Name

pir:S76643

Acc#

S76643

transposase slr0511:protein slr0511:protein
slr0511

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24645312_f3_87	3021	8243	291	876	104	0.0026

Protein name

Locus Name

pir:E70045

Acc#

E70045

homolog yvqC

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25662812_f3_86	3022	8244	85	258		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25976567_f2_55	3023	8245	397	1194	113	0.0015

Protein name	Locus Name	Acc#
immunoreactive 42kD antigen PG33	gp:AF175715	AF175715

Description

Porphyromonas gingivalis strain W50 immunoreactive 42kD antigenPG33 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
262_c2_134	3024	8246	143	432		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26699155_c3_181	3025	8247	184	555		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2923212_c2_154	3026	8248	565	1698		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31929762_c2_138	3027	8249	391	1176	779	2.5e-77

Protein name

Locus Name

sp:YDEG_SCHPO

Acc#

Q10449

Description

HYPOTHETICAL 57.2 KD PROTEIN C12B10.16C IN CHROMOSOME I

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33709813_f3_84	3028	8250	62	189		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34429807_f2_52	3029	8251	207	624		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36230267_c3_180	3030	8252	376	1131	237	5.0e-24

Protein name

Locus Name

Acc#

immunoreactive 53 kD antigen PG123

gp:AF144641

AF144641

Description

Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigen PG123 gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3914587_c1_112	3031	8253	193	582	236	8.6e-20
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein	pir:S76053				S76053	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4104637_c1_133	3032	8254	381	1146	115	0.00058
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
clostripain-related protein	pir:B72365				B72365	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4149180_c2_150	3033	8255	61	186	54	0.0081
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein T03F7.4	pir:T24404				T24404	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4192187_c1_129	3034	8256	481	1446	210	3.6e-14
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
transposase	gp:AF038866				AF038866	
<u>Description</u>						
Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4423386_c3_157	3035	8257	290	873	152	2.6e-08
Protein name				Locus Name		Acc#
Hyp1 protein				gp:HVHYP1PRO		Y09797
Description						
H.vulgaris mRNA for Hyp1 protein.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4804632_c1_116	3036	8258	389	1170	197	8.8e-13
Protein name				Locus Name		Acc#
conserved hypothetical protein TP0931				pir:D71264		D71264
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4876556_f3_89	3037	8259	715	2148	181	1.9e-10
Protein name				Locus Name		Acc#
immunoreactive 53 kD antigen PG123				gp:AF144641		AF144641
Description						
Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigen PG123 gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4960760_c1_117	3038	8260	487	1464	230	2.4e-21
Protein name				Locus Name		Acc#
				gp:ATAC004411		AC004411
Description						
Arabidopsis thaliana chromosome II BAC F14M4 genomic sequence, complete sequence.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6442905_c3_158	3039	8261	189	570	171	4.9e-12
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
conserved hypothetical protein TP0931			pir:D71264			D71264
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6694705_c1_128	3040	8262	180	543		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
7126086_f1_32	3041	8263	63	192		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
785882_c1_113	3042	8264	551	1656	110	2.2e-07
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
unknown			gp:U96771			U96771
<u>Description</u>						

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknowngenes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
859452_c1_120	3043	8265	261	786	241	2.5e-20
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
probable transmembrane protein	pir:T34651				T34651	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
897187_c1_127	3044	8266	532	1599	276	1.2e-21
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein PAB1002	pir:G75064				G75064	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10035453_c1_59	3045	8267	74	225		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1052188_c3_87	3046	8268	68	207	71	0.028
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
gp59	gp:BA1242593				AJ242593	
<u>Description</u>						

Bacteriophage A118 complete genome.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13089760_f2_19	3047	8269	77	234		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14650012_c3_92	3048	8270	536	1611		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14664813_c1_64	3049	8271	62	189		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15742327_c2_79	3050	8272	66	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16210456_f1_8	3051	8273	107	324	213	9.1e-17

Protein name

Locus Name

Acc#

conserved hypothetical protein BB0262

pir:F70132

F70132

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16680455_f3_48	3052	8274	138	417		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22946087_f1_9	3053	8275	108	327	70	0.033

Protein name	Locus Name	Acc#
hypothetical protein 62	pir:T31025	T31025

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23554057_f3_35	3054	8276	412	1239		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24219067_f1_5	3055	8277	62	189		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24398917_f3_38	3056	8278	135	408	112	4.2e-06

Protein name	Locus Name	Acc#
conserved hypothetical protein	pir:G72380	G72380

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25633312_f3_34	3057	8279	69	210		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29921938_f1_16	3058	8280	297	894	435	7.0e-41

Protein name	Locus Name	Acc#
	sp:YF23_HAEIN	P44243

Description

HYPOTHETICAL PROTEIN HI1523

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30355305_c3_90	3059	8281	271	816	411	2.5e-38

Protein name	Locus Name	Acc#
	sp:SOJ_BACSU	P37522

Description

SOJ PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32069806_f3_33	3060	8282	332	999		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33882837_c3_91	3061	8283	97	294	80	0.024

Protein name	Locus Name	Acc#
hypothetical protein F20D10.230	pir:T05638	T05638

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34181512_f2_31	3062	8284	207	624		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34182813_f1_7	3063	8285	260	783		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34407928_f2_20	3064	8286	134	405		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35267037_f2_23	3065	8287	117	354		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36562555_c3_86	3066	8288	64	195		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36613586_c1_56	3067	8289	65	198		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4182811_E3_40	3068	8290	393	1182		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
831463_c1_67	3069	8291	141	426		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
839217_c3_93	3070	8292	120	363		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10820311_c2_198	3071	8293	230	693		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
11881375_f2_45	3072	8294	177	534	445	6.1e-42

Protein name

Locus Name

Acc#

sp:YACN_BACSU

Q06756

Description

HYPOTHETICAL 17.1 KD PROTEIN IN MECB-GLTX INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12929693_f3_78	3073	8295	261	786	372	3.3e-34

Protein name

Locus Name

Acc#

sp:YAAA_ECOLI

P11288

Description

HYPOTHETICAL 29.6 KD PROTEIN IN THRC-TALB INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1367043_f3_81	3074	8296	477	1434	424	1.0e-39

Protein name

Locus Name

Acc#

sp:RLUB_BACSU

P35159

Description

(PSEUDOURIDYLATE SYNTHASE) (URACIL HYDROLYASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1444087_f2_50	3075	8297	208	627		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14647277_c3_235	3076	8298	337	1014	1216	1.2e-123
Protein name				Locus Name		Acc#
immunoreactive 36 kDa antigen PG14				gp:AF145798		AF145798
Description						
Porphyromonas gingivalis strain W50 immunoreactive 36 kDa antigen PG14 gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14886027_f3_79	3077	8299	185	558	416	7.3e-39
Protein name				Locus Name		Acc#
				sp:MAA_BACSU		P37515
Description						
TRANSACETYLASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19799013_f2_32	3078	8300	138	417		
Protein name				Locus Name		Acc#
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20312630_f3_80	3079	8301	478	1437	1372	3.6e-140
Protein name				Locus Name		Acc#
adenylosuccinate lyase				gp:LMFP1421		AL132764
Description						
Leishmania major Friedlin chromosome 4 PAC P1421.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21679756_c2_180	3080	8302	642	1929	112	2.3e-11

Protein name

Locus Name

sp:THIO_HELPY

Acc#

P56430

Description

THIOREDOXIN (TRX)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23553426_f2_57	3081	8303	344	1035	827	2.0e-82

Protein name

Locus Name

sp:ILVE_HAEIN

Acc#

P54689

Description

B) (BCAT)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23989077_f1_17	3082	8304	268	807	379	6.1e-35

Protein name

Locus Name

pir:E72226

Acc#

E72226

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24023442_f3_85	3083	8305	282	849	603	1.1e-58

Protein name

Locus Name

pir:A69699

Acc#

ribosomal protein S2 (rpsB):ribosomal protein BS1

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24026561_c1_148	3084	8306	93	282	78	0.0093

Protein name	Locus Name	Acc#
late expression factor 2 homolog lef-2	gp:AF002732	AF002732

Description

Cydia pomonella granulovirus late expression factor 2 homolog lef-2gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24328386_c2_177	3085	8307	239	720	111	0.00037

Protein name	Locus Name	Acc#
	sp:YQEF_BACSU	P54451

Description

PRECURSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24412511_f3_83.....	3086	8308	160	483	373	2.6e-34

Protein name	Locus Name	Acc#
ribosomal protein L13	pir:F71677	F71677

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24414827_f1_18.....	3087	8309	252	759	293	7.9e-26

Protein name	Locus Name	Acc#
conserved hypothetical protein ytmQ	pir:B69997	B69997

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24651013_c1_122	3088	8310	486	1461	244	1.0e-17
Protein name			Locus Name		Acc#	
lipase-like protein			pir:A64706		A64706	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2470802_c1_127	3089	8311	420	1263	367	1.1e-33
Protein name			Locus Name		Acc#	
conserved hypothetical integral membrane protein HP1486			pir:F64705		F64705	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25415626_c3_238	3090	8312	681	2046	371	2.4e-44
Protein name			Locus Name		Acc#	
alpha-glucosidase			gp:BTU66897		U66897	
Description						
Bacteroides thetaiotaomicron neopullulanase (susA) and alpha-glucosidase (susB) genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25440900_c1_158	3091	8313	460	1383		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25588962_f3_88	3092	8314	224	675	357	1.3e-32
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
hypothetical protein ydiH				pir:A69787		A69787
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26254813_c3_253.....	3093	8315	290	873	89	0.0016
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
splicing regulatory protein SWAP homolog (alternatively spliced, clone pFL2)				pir:A54037		A54037
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26283262_f2_43.....	3094	8316	166	501		
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
<u>Description</u>				NO-HIT		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26353388_f3_92.....	3095	8317	411	1236	425	8.1e-40
<u>Protein name</u>				<u>Locus Name</u>		<u>Acc#</u>
probable exodeoxyribonuclease VII large subunit				pir:C75549		C75549
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26365887_f3_86	3096	8318	335	1008	354	1.1e-41

Protein name

Locus Name

sp:EF-TS_MYCTU

Acc#

Q10788

Description

ELONGATION FACTOR TS (EF-TS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26454391_c1_128	3097	8319	272	819		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26600263_f3_84	3098	8320	130	393	318	1.8e-28

Protein name

Locus Name

sp:RS9_MYCTU

Acc#

006259

Description

30S RIBOSOMAL PROTEIN S9

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2756327_c2_209	3099	8321	98	297		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29407552_f1_13	3100	8322	81	246		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29745386_f1_15.....	3101	8323	400	1203	624	6.6e-61

Protein name

Locus Name

Acc#

hypothetical protein RP306

pir:E71686

E71686

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30160336_c2_195.....	3102	8324	68	207		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31676510_f3_95.....	3103	8325	337	1014	680	7.7e-67

Protein name

Locus Name

Acc#

sp:MRP_SYNY3

P53383

Description

MRP PROTEIN HOMOLOG

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33398425_f2_72	3104	8326	861	2586	178	4.3e-11

Protein name	Locus Name	Acc#
unknown	gp:AF007381	AF007381

Description
 Flavobacterium johnsoniae gliding motility protein (gldA) gene, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3361250_f2_73	3105	8327	188	567	160	9.7e-12

Protein name	Locus Name	Acc#
RNA polymerase sigma factor SigZ-like protein	gp:AF137263	AF137263

Description
 Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33722640_f3_91	3106	8328	153	462	202	6.6e-15

Protein name	Locus Name	Acc#
subtilisin sendai homolog	pir:C69456	C69456

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33847078_f2_51	3107	8329	80	243	72	0.021

Protein name	Locus Name	Acc#
phase-1 flagellin	pir:S33191	S33191

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34105313_c2_179	3108	8330	590	1773	136	4.1e-06

Protein name

Locus Name

sp:TONB_HELPY

Acc#

025899

Description

TONB PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34648582_f3_118	3109	8331	319	960	134	3.2e-06

Protein name

Locus Name

gp:AF051691

Acc#

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35312692_f3_74	3110	8332	526	1581		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35625007_c3_245	3111	8333	431	1296		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35944140_f3_90	3112	8334	301	906		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36579090_c2_175	3113	8335	347	1044	197	2.7e-13

Protein name Locus Name Acc#

hypothetical protein jhpl380 pir:G71815 G71815

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4095887_f2_56	3114	8336	73	222	79	0.0037

Protein name Locus Name Acc#

exodeoxyribonuclease VII, small chain pir:JQ0664

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4142762_f1_5	3115	8337	470	1413	1396	1.0e-142

Protein name Locus Name Acc#

sp:SYN_SYNY3 P52276

Description

LIGASE) (ASNRS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4379427_c3_240	3116	8338	124	375	131	1.2e-08

Protein name

Locus Name

Acc#

sp:BLAI_STAAU

P18415

Description

REPRESSOR PROTEIN)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4485312_c3_271	3117	8339	746	2241	505	5.9e-47

Protein name

Locus Name

Acc#

sp:NAGH_CLOPE

P26831

Description

(MU TOXIN)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4883507_c1_152	3118	8340	119	360	181	5.8e-14

Protein name

Locus Name

Acc#

sp:Y546_SYNY3

Q55397

Description

HYPOTHETICAL 11.9 KD PROTEIN SLL0546

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5275292_f3_89	3119	8341	205	618	387	8.6e-36

Protein name

Locus Name

Acc#

isomerase like protein

gp:ATFCA5

Z97340

Description

Arabidopsis thaliana DNA chromosome 4, ESSA I FCA contig fragmentNo. 5.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5285687_f1_16	3120	8342	93	282		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
78375_f1_3	3121	8343	643	1932	957	3.4e-96

Protein name

Locus Name

Acc#

sp:BGAL_XANMN

P48982

Description

BETA-GALACTOSIDASE PRECURSOR, (LACTASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
876937_c2_216	3122	8344	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10023300_c2_107	3123	8345	105	318		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10603388_c3_138	3124	8346	331	996	341	6.4e-31

Protein name

Locus Name

Acc#

sp:YEIH_ECOLI

P33019

Description

HYPOTHETICAL 36.9 KD PROTEIN IN LYSP-NFO INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
11882812_f3_64	3125	8347	143	432	130	1.5e-08

Protein name

Locus Name

Acc#

conserved hypothetical protein TP0412

pir:B71327

B71327

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1204010_c2_106.....	3126	8348	140	423		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13065655_c3_123.....	3127	8349	274	825	1083	1.5e-109

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14730313_f3_59	3128	8350	868	2607	2435	8.2e-253

Protein name

Locus Name

sp:CLPB_SYNY3

Acc#

P74361

Description

CLPB PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15641008_c3_132	3129	8351	92	279		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_c2_116	3130	8352	431	1296	1723	2.3e-177

Protein name

Locus Name

pir:JQ1020

Acc#

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16989052_f2_27	3131	8353	189	570	378	7.7e-35

Protein name

Locus Name

pir:E70344

Acc#

E70344

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
187627_f1_4	3132	8354	407	1224	1479	1.6e-151

Protein name

Locus Name

pir:S74347

Acc#

S74347

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19703511_c2_108	3133	8355	105	318	127	3.8e-07
Protein name				Locus Name		Acc#
63 kDa protein				gp:MBU73653		U73653
Description						
Mycobacterium bovis 63 kDa protein, 47 kDa protein and clpB gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
197188_c2_95	3134	8356	243	732	113	1.0e-11
Protein name				Locus Name		Acc#
drgA protein:protein slr1719:protein slr1719				pir:S75047		S75047
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2035912_c3_131.....	3135	8357	210	633	241	2.5e-20
Protein name				Locus Name		Acc#
conserved hypothetical protein				pir:D75341		D75341
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_c3_140.....	3136	8358	83	252	64	0.031
Protein name				Locus Name		Acc#
				sp:SPRC_XENLA		P36378
Description						
(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23625937_c3_130	3137	8359	116	351	163	4.7e-12
Protein name				Locus Name		Acc#
conserved hypothetical protein yrbF				pir:E69972		E69972
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24500082_f3_67	3138	8360	178	537	200	5.6e-16
Protein name				Locus Name		Acc#
hypothetical protein SC7H2.05				pir:T35736		T35736
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24640755_f1_22	3139	8361	423	1272	463	7.6e-44
Protein name				Locus Name		Acc#
glucose/galactose transporter				pir:A71850		A71850
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24640932_f2_30	3140	8362	229	690		
Protein name				Locus Name		Acc#
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24642312_f1_17	3141	8363	189	570	357	1.3e-32
Protein name				Locus Name		Acc#
peptidyl-tRNA hydrolase				pir:B72229		B72229
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24803942_f3_51	3142	8364	361	1086	1595	8.4e-164
Protein name			Locus Name		Acc#	
			sp:RECA_BACFR		P22841	

Description

RECA PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24881300_c2_111	3143	8365	199	600		
Protein name			Locus Name		Acc#	

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26594010_c2_94	3144	8366	234	705	330	9.4e-30
Protein name			Locus Name		Acc#	
			gp:AB024531		AB024531	

Description

Enterococcus seriolicida SA2F01-1, -2, -3 genes, partial and complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30271025_c3_146	3145	8367	287	864	214	6.2e-17
Protein name			Locus Name		Acc#	
conserved hypothetical protein			pir:D75333		D75333	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30519457_f2_29	3146	8368	196	591		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31417187_c1_81	3147	8369	261	786		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33401011_c1_80	3148	8370	71	216		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4010927_c2_105	3149	8371	340	1023	103	0.022

Protein name Locus Name Acc#

hypothetical protein ybbR

pir:A69745

A69745

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
426337_f1_7	3150	8372	113	342	106	6.0e-06

Protein name: RNA polymerase sigma factor SigZ-like protein

Locus Name: gp:AF137263

Acc#: AF137263

Description: Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4720311_f3_48	3151	8373	198	597		

Protein name:

Locus Name:

Acc#:

Description: NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4806587_c3_124	3152	8374	280	843	217	1.7e-17

Protein name:

Locus Name: sp:YJJU_ECOLI

Acc#: P39407

Description: HYPOTHETICAL 39.8 KD PROTEIN IN OSMY-DEOC INTERGENIC REGION (0357)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4878506_f3_49	3153	8375	221	666	101	0.017

Protein name: KIAA0636 protein

Locus Name: gp:AB014536

Acc#: AB014536

Description: Homo sapiens mRNA for KIAA0636 protein, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4973765_f1_8	3154	8376	114	345	124	9.4e-08
Protein name			Locus Name		Acc#	
SigG			gp:AF121849		AF121849	
Description						
Synechococcus PCC7002 SigG (sigG) and hypothetical protein genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5281562_c3_126	3155	8377	542	1629	186	1.1e-09
Protein name			Locus Name		Acc#	
putative secreted protein			gp:SC4A7		AL133423	
Description						
Streptomyces coelicolor cosmid 4A7.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
812533_c2_112.....	3156	8378	302	909	372	3.3e-34
Protein name			Locus Name		Acc#	
transcription regulator LysR family			pir:F70356		F70356	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
907137_c2_104.....	3157	8379	338	1017	171	2.1e-12
Protein name			Locus Name		Acc#	
N utilization substance protein B			pir:D72212		D72212	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
976536_f3_65	3158	8380	202	609	208	8.0e-17
Protein name			Locus Name		Acc#	
probable ribosomal protein L25			pir:H71665		H71665	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
995461_c1_90	3159	8381	108	327	80	0.036
Protein name			Locus Name		Acc#	
dihydrofolate reductase, / thymidylate synthase,			pir:T01684		T01684	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10735002_c2_18	3160	8382	195	588	177	1.5e-13
Protein name			Locus Name		Acc#	
RNA polymerase sigma factor SigZ-like protein			gp:AF137263		AF137263	
Description						
Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12395950_f2_2	3161	8383	132	399	107	2.2e-05
Protein name			Locus Name		Acc#	
hypothetical protein F14F9.5			pir:T33774		T33774	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12689712_f3_9	3162	8384	612	1836	588	1.2e-57
Protein name				Locus Name		Acc#
115K outer membrane protein precursor:SusC protein				pir:JC6027		JC6027
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20524150_f2_3	3163	8385	385	1158	144	3.0e-06
Protein name				Locus Name		Acc#
probable phosphoesterase, yvnB				pir:C70044		C70044
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4100877_f3_8	3164	8386	338	1017	117	0.00031
Protein name				Locus Name		Acc#
transmembrane sensor				gp:AF051691		AF051691
Description						
Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor (fiuI), transmembrane sensor (fiuR), and hydroxamate-type ferrisiderophore receptor (fiuA) genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31726567_g1_11	3165	8387	96	291	450	1.8e-42
Protein name				Locus Name		Acc#
mobilization protein C				gp:AF118243		AF118243
Description						
Bacteroides fragilis mobilization protein C (mobC) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5135158_c1_10	3166	8388	101	306	464	6.0e-44

Protein name	Locus Name	Acc#
mobilization protein C	gp:AF118243	AF118243

Description
Bacteroides fragilis mobilization protein C (mobC) gene, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7112683_f3_6	3167	8389	216	651	1024	2.7e-103

Protein name	Locus Name	Acc#
mobilization protein B	gp:AF118242	AF118242

Description
Bacteroides fragilis mobilization protein B (mobB) gene, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10972160_f3_194	3168	8390	439	1320	241	1.3e-17

Protein name	Locus Name	Acc#
	sp:HLYD_PASHA	P16534

Description

LEUKOTOXIN SECRETION PROTEIN D

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10973751_f3_179	3169	8391	441	1326	670	8.8e-66

Protein name	Locus Name	Acc#
	sp:DINF_ECOLI	P28303

Description

DNA-DAMAGE-INDUCIBLE PROTEIN F

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1173187_c3_347	3170	8392	115	348	90	0.011
Protein name			Locus Name		Acc#	
hypothetical protein, MALIP3.07			gp:PFMALIP3		AL031746	
Description						
Plasmodium falciparum MALIP3, complete sequence.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1178325_c2_265	3171	8393	418	1257		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11926083_c3_337	3172	8394	103	312		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12501567_f1_55	3173	8395	261	786	276	5.0e-24
Protein name			Locus Name		Acc#	
ligase			pir:A70351		A70351	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
134687_c1_221	3174	8396	105	318	304	5.4e-27

Protein name

Locus Name

Acc#

sp:THIM_PEA

Description

THIOREDOXIN M-TYPE, CHLOROPLAST PRECURSOR (TRX-M)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13946017_c3_360	3175	8397	443	1332	481	9.4e-46

Protein name

Locus Name

Acc#

hypothetical protein slr2013

pir:S75346

S75346

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14256505_f2_120	3176	8398	288	867	148	5.5e-07

Protein name

Locus Name

Acc#

gp:U93872

U93872

Description

Kaposi's sarcoma-associated herpesvirus glycoprotein M, DNA replication protein, glycoprotein, DNA replication protein, FLICE inhibitory protein and v-cyclin genes, complete cds, and tegument protein gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14460760_f3_196	3177	8399	240	723	369	1.2e-32

Protein name

Locus Name

Acc#

hypothetical protein mexF

pir:T30830

T30830

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14657131_f1_33	3178	8400	662	1989		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15032952_f2_122.....	3179	8401	931	2796		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15760268_f2_101.....	3180	8402	441	1326	343	4.0e-31

Protein name _____ Locus Name _____ Acc# _____

YvrN protein

gp:BS43KBDNA

AJ223978

Description _____

Bacillus subtilis 42.7kB DNA fragment from yvsA to yvqA.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16836055_f2_102.....	3181	8403	245	738	170	2.8e-11

Protein name _____ Locus Name _____ Acc# _____

hypothetical protein Rv3695

pir:H70792

H70792

Description _____

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16898412_f2_98	3182	8404	602	1809	114	0.00099

Protein name	Locus Name	Acc#
	sp:YREC_SYNP2	P19737

Description

HYPOTHETICAL 28.7 KD PROTEIN IN RECA 3' REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
17009642_c3_357	3183	8405	236	711	239	4.1e-20

Protein name	Locus Name	Acc#
rprY protein	pir:S33662	S33662

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19589387_f3_190	3184	8406	251	756	113	0.00018

Protein name	Locus Name	Acc#
pXO2-46	gp:AF188935	AF188935

Description

Bacillus anthracis plasmid pXO2, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20508312_f1_39	3185	8407	365	1098	206	3.1e-14

Protein name	Locus Name	Acc#
acriflavin resistance protein AcrE	pir:A70361	A70361

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
213340_c3_358	3186	8408	353	1062	114	0.00085

Protein name

Locus Name

sp:Y876_METJA

Acc#

Q58286

Description

PUTATIVE ABC TRANSPORTER PERMEASE PROTEIN MJ0876

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21494031_f2_111	3187	8409	96	291		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21676532_f3_180.....	3188	8410	242	729	653	5.6e-64

Protein name

Locus Name

sp:PYRH_ECOLI

Acc#

P29464

Description

(UMP KINASE) (SMBA PROTEIN)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21769782_f3_135.....	3189	8411	469	1410		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22666577_c1_234	3190	8412	207	624	76	0.024

Protein name

Locus Name

Acc#

sp:E311_ADE03 P11317

Description

EARLY E3 9.0 KD GLYCOPROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2343876_f1_32	3191	8413	85	258		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23551325_f3_183.....	3192	8414	165	498		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23625177_f1_61.....	3193	8415	190	573	433	1.1e-40

Protein name

Locus Name

Acc#

ribosome recycling factor pir:C75386 C75386

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23626561_f3_188	3194	8416	433	1302	118	0.00066

Protein name	Locus Name	Acc#
	gp:VCU47542	U47542

Description

Vibrio cholerae ADP-L-glycero-D-mannoheptose-6-epimerase (rfad) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23650288_f1_68	3195	8417	361	1086	327	2.0e-29

Protein name	Locus Name	Acc#
cation efflux system (czcB-like)	pir:C70415	C70415

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23937750_c2_282	3196	8418	67	204		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
239665_f1_57	3197	8419	66	201		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24015635_f2_126	3198	8420	116	351		

Protein name _____ Locus Name _____ Acc# _____

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24016077_f1_38	3199	8421	186	561	129	1.9e-08

Protein name _____

Locus Name

Acc#

sp:Y793_METJA

Q58203

Description

HYPOTHETICAL PROTEIN MJ0793

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24097562_c3_345	3200	8422	270	813	283	2.6e-40

Protein name _____

Locus Name

Acc#

DNA polymerase

gp:AF083949

AF083949

Description

Treponema denticola DNA gyrase subunit B (gyrB) and chromosomal replication initiator protein (dnaA) genes, complete cds; and DNA polymerase (dnaE) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24261627_c1_219	3201	8423	418	1257		

Protein name _____

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24396877_f3_161	3202	8424	220	663	95	0.0025
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Protein name

Locus Name

Acc#

sp:Y794_METJA

Q58204

Description

HYPOTHETICAL PROTEIN MJ0794

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24406886_c3_320	3203	8425	105	318		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24413127_f2_100	3204	8426	101	306		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24417812_f1_67	3205	8427	740	2223	931	1.9e-93
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Protein name

Locus Name

Acc#

heterocyst differentiation protein HetC

pir:T31072

T31072

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24423426_c3_338	3206	8428	445	1338	149	7.7e-08
Protein name			Locus Name		Acc#	
laminarinase			gp:AF047003		AF047003	
Description						
Rhodothermus marinus strain IT1278 laminarinase (lamR) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24489377_f3_175	3207	8429	149	450	134	5.5e-09
Protein name			Locus Name		Acc#	
hypothetical protein SC2E1.19 SC2E1.19			pir:T34787		T34787	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24640642_f3_176	3208	8430	120	363	168	1.4e-12
Protein name			Locus Name		Acc#	
MmcQ			gp:AF127374		AF127374	
Description						
Streptomyces lavendulae LinA homolog, cytochrome P450 hydroxylase ORF4, cytochrome P450 hydroxylase ORF3, MitT (mitT), MitS (mitS), MitR (mitR), MitQ (mitQ), MitP (mitP), MitO (mitO), MitN (mitN), MitM (mitM), MitL (mitL), MitK (mitK), MitJ (mitJ), MitI (mitI), MitH (mitH), MitG (mitG), MitF (mitF), MitE (mitE), MitD (mitD), MitC (mitC), MitB (mitB), MitA (mitA), MmcA (mmcA), MmcB						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648427_c3_339	3209	8431	232	699	118	0.00012
Protein name			Locus Name		Acc#	
conserved hypothetical protein			pir:A72220		A72220	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24883260_f2_130	3210	8432	690	2070	897	7.8e-90
Protein name			Locus Name		Acc#	
acriflavin resistance protein D (acrD) RP170			pir:F71727		F71727	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24884633_c1_240	3211	8433	186	561	359	7.0e-32
Protein name			Locus Name		Acc#	
immunoreactive 89KD antigen PG87			gp:AF175722		AF175722	
Description						

Porphyromonas gingivalis strain W50 immunoreactive 89KD antigen PG87 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25501562_f2_125	3212	8434	525	1578	117	0.00071
Protein name			Locus Name		Acc#	
beta-1,4-galactosyltransferase IV			gp:AB024436		AB024436	
Description						

Homo sapiens mRNA for beta-1,4-galactosyltransferase IV, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25548463_f1_30	3213	8435	74	225		
Protein name			Locus Name		Acc#	

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26370888_f3_148	3214	8436	155	468	239	4.1e-20

Protein name
 conserved hypothetical protein yd1B

Locus Name
 pir:C69786

Acc#
 C69786

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26594677_f2_121	3215	8437	531	1596	644	3.9e-73

Protein name

Locus Name
 sp:DNAK_HALMA

Acc#
 Q01100

Description

DNAK PROTEIN (HEAT SHOCK PROTEIN 70) (HSP70)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26660812_f1_60	3216	8438	417	1254	115	0.0012

Protein name

Locus Name
 gp:AF192766

Acc#
 AF192766

Description

Bacillus cereus strain Ae10 enterotoxin mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29511526_c1_220	3217	8439	1072	3219	1446	1.3e-170

Protein name

Locus Name
 sp:DP3A_BORBU

Acc#
 051526

Description

DNA POLYMERASE III, ALPHA CHAIN,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31837701_f1_18	3218	8440	273	822	563	1.9e-54
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
conserved hypothetical protein MTH606			pir:E69180		E69180	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
32141338_c2_260	3219	8441	86	261		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
32297293_c2_274	3220	8442	149	450	444	7.8e-42
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			gp:PGPGAAGEN		X95938	
<u>Description</u>						

P.gingivalis rnhB & pgaA genes & orfs 150, 197, 202 & 199.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33876067_c3_359	3221	8443	430	1293		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34254387_c1_219	3222	8444	88	267		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34492925_c3_340	3223	8445	84	255		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36120842_c3_369	3224	8446	65	198	107	7.7e-05

Protein name Locus Name Acc#

immunoreactive 89kD antigen PG87 gp:AF175722 AF175722

Description

Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36219693_f2_83	3225	8447	92	279		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36525287_f3_186	3226	8448	311	936	546	1.2e-52
Protein name			Locus Name		Acc#	
conserved hypothetical protein			pir:A72219		A72219	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3937775_c2_311	3227	8449	1065	3198	468	4.9e-83
Protein name			Locus Name		Acc#	
115K outer membrane protein precursor:SusC protein			pir:JC6027		JC6027	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3944150_f2_82	3228	8450	143	432		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
39663590_c1_241	3229	8451	73	222	133	1.3e-07
Protein name			Locus Name		Acc#	
immunoreactive 89kD antigen PG87			gp:AF175722		AF175722	
Description						
Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene, complete cds.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4031501_c2_281	3230	8452	66	201		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4116566_f3_158	3231	8453	240	723		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
422157_f3_177	3232	8454	451	1356	100	0.00074

Protein name Locus Name Acc#

microbial collagenase, precursor:Cog protein pir:JC4393 JC4393

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4492787_c3_362	3233	8455	339	1020	212	4.6e-17

Protein name Locus Name Acc#

sp:APX_STRGR P80561

Description

AMINOPEPTIDASE, (SGAP)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4725938_f3_171	3234	8456	239	720	229	4.8e-19

Protein name

Locus Name

Acc#

sp:PSS_HELPY

Description

(PHOSPHATIDYLSERINE SYNTHASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4869802_f3_170	3235	8457	231	696	372	3.3e-34

Protein name

Locus Name

Acc#

unknown

gp:NGU34760

U34760

Description

Neisseria gonorrhoeae UvrA (uvrA) and ORF259 genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4964782_c2_303.....	3236	8458	503	1512	1227	8.3e-125

Protein name

Locus Name

Acc#

immunoreactive 89kD antigen PG87

gp:AF175722

AF175722

Description

Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5332187_c1_236.....	3237	8459	303	912	759	3.3e-75

Protein name

Locus Name

Acc#

hypothetical protein PH0776

pir:B71126

B71126

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
547525_c2_291	3238	8460	339	1020	311	9.7e-28
Protein name			Locus Name		Acc#	
hypothetical protein slr1478			pir:S75694		S75694	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
831250_c1_242	3239	8461	892	2679		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
988762_c3_356	3240	8462	474	1425	282	2.2e-23
Protein name			Locus Name		Acc#	
RprX			gp:S59000		S59000	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11020692_c2_101	3241	8463	213	642	233	7.0e-18
Protein name			Locus Name		Acc#	
hypothetical protein			pir:A75613		A75613	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11754512_f3_67	3242	8464	98	297		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
11907801_c2_106	3243	8465	524	1575		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19531885_f3_63	3244	8466	118	357		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20422162_f1_9	3245	8467	597	1794	428	5.6e-39

Protein name Locus Name Acc#

VicK protein gp:EFA012050 AJ012050

Description

Enterococcus faecalis vic operon and flanking genes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2113812_f2_36	3246	8468	323	972		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22063410_c2_108	3247	8469	632	1899	1362	4.1e-139
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein					pir:S76152	S76152
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22438768_c1_89	3248	8470	284	855		
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24648563_c1_88	3249	8471	129	390		
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26360263_f3_66	3250	8472	582	1749	171	1.8e-09
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
					gp:MMSAG	X84710
<u>Description</u>						

M.mazei surface antigen genes orf492, orf375 and orf783.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29804754_c2_93	3251	8473	413	1242		

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34087632_f2_38	3252	8474	702	2109	155	4.5e-12

Protein name _____

Locus Name _____

Acc# _____

sp:BTUB_ECOLI

P06129

Description _____

VITAMIN B12 RECEPTOR PRECURSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35706417_f2_43	3253	8475	483	1452		

Protein name _____

Locus Name _____

Acc# _____

Description _____

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4173751_f3_55	3254	8476	239	720	473	6.6e-45

Protein name _____

Locus Name _____

Acc# _____

response regulator DrrA

pir:D72228

D72228

Description _____

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4878387_c3_122	3255	8477	400	1203		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4954691_c1_92	3256	8478	270	810	213	2.4e-17

Protein name

Locus Name

Acc#

sp:HIS9_SCHPO

014059

Description

PROBABLE HISTIDINOL-PHOSPHATASE,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9921885_c1_81	3257	8479	472	1419	142	9.4e-06

Protein name

Locus Name

Acc#

hypothetical protein

pir:A75613

A75613

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10351381_c1_216	3258	8480	409	1230	517	1.4e-49

Protein name

Locus Name

Acc#

sp:GLUP_BRUAB

Q44623

Description

GLUCOSE/GALACTOSE TRANSPORTER

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
110683_f2_111	3259	8481	301	903	146	1.0e-09

Protein name

Locus Name

Acc#

gp:PVPVA1 X92485

Description

P.vivax pval gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12506407_c2_261	3260	8482	254	765	185	2.8e-17

Protein name

Locus Name

Acc#

sp:GPH_ECOLI P32662

Description

PHOSPHOGLYCOLATE PHOSPHATASE, (PGP)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12923212_c2_232	3261	8483	144	435	72	0.028

Protein name

Locus Name

Acc#

sp:DBHA_SALTY P15148

Description

DNA-BINDING PROTEIN HU-ALPHA (NS2) (HU-2)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13127090_f2_102	3262	8484	140	423	112	6.0e-06

Protein name

Locus Name

Acc#

RNA-directed DNA polymerase,, msDNA specific:DNA nucleotidyltransferase (RNA-directed):reverse transcriptase:revertase

pir:S19248 S19248

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14226625_f1_1	3263	8485	187	564	220	4.3e-18

Protein name

Locus Name

Acc#

sp:YG77_METJA

Q59071

Description

HYPOTHETICAL PROTEIN MJ1677

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14958557_c1_200	3264	8486	430	1293	1219	5.9e-124

Protein name

Locus Name

Acc#

sp:XAPB_ECOLI

Description

XANTHOSINE PERMEASE (XANTHOSINE TRANSPORTER)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15627161_c1_189.....	3265	8487	239	720	202	3.5e-16

Protein name

Locus Name

Acc#

transcription regulator Crp/Fnr family

pir:A70344

A70344

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15644206_c1_207.....	3266	8488	251	756	601	1.8e-58

Protein name

Locus Name

Acc#

sp:KDSA_CHLPS

Q46225

Description

8-PHOSPHATE SYNTHETASE) (KDO 8-P SYNTHASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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16203213_c3_314	3267	8489	328	987	584	1.1e-56
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Protein name

Locus Name

Acc#

probable tRNA
delta(2)-isopentenylpyrophosphate transferase
(miaA)

pir:B71301

B71301

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

16439662_c1_208	3268	8490	943	2832	2224	1.9e-230
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Protein name

Locus Name

Acc#

immunoreactive 106 kDa antigen PG115

gp:AF153767

AF153767

Description

Porphyromonas gingivalis strain W50 immunoreactive 106 kDa antigen PG115
gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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16836063_c3_325	3269	8491	91	276	298	2.3e-26
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Protein name

Locus Name

Acc#

sp:RK27_TOBAC

P30155

Description

50S RIBOSOMAL PROTEIN L27, CHLOROPLAST PRECURSOR (CL27)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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17084637_c3_281	3270	8492	370	1113		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19569032_c2_268	3271	8493	340	1023	232	2.9e-17

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
	sp:GLGA_BACST	008328

Description

SYNTHASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21893753_f3_136	3272	8494	88	267		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22470938_c3_311	3273	8495	195	588	238	5.3e-20

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
	sp:YODE_MYCTU	Q50604

Description

HYPOTHETICAL 18.1 KD PROTEIN RV1829

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23617062_c2_250	3274	8496	398	1197	668	1.4e-65

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Hypothetical protein

gp:D90734

Description

Escherichia coli genomic DNA. (22.0 - 22.3 min).

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24025302_c2_264	3275	8497	763	2292	1140	1.4e-115
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
glutamate synthase, beta subunit					pir:H72230	H72230
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24257807_c1_221	3276	8498	507	1524		
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24431587_f2_104	3277	8499	305	918	893	2.1e-89
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
					sp:YPGA_PORGI	Q51834
<u>Description</u>						

HYPOTHETICAL 33.6 KD PROTEIN IN RNHB-PGAA INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24648542_f2_106	3278	8500	159	480		
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24803137_c3_340	3279	8501	232	699	272	1.3e-23

Protein name

Locus Name

sp:Y03M_MYCTU

Acc#

Q10647

Description

HYPOTHETICAL 25.7 KD PROTEIN CY130.22

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24821094_c2_231	3280	8502	263	792	391	1.6e-35

Protein name

Locus Name

gp:ATAC006135

Acc#

AC006135

Description

Arabidopsis thaliana chromosome II BAC F24H14 genomic sequence, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25423461_c1_205.....	3281	8503	406	1221	77	0.046

Protein name

Locus Name

pir:B70312

Acc#

B70312

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25506557_f2_90.....	3282	8504	389	1170		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25589087_c3_322	3283	8505	176	531	267	4.5e-23

Protein name

Locus Name

Acc#

sp:SPR_ECOLI

Description

LIPOPROTEIN SPR PRECURSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26204662_f3_113	3284	8506	466	1401	593	1.3e-57

Protein name

Locus Name

Acc#

sp:AMY_METJA

Q59006

Description

PUTATIVE ALPHA-AMYLASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26287593_f2_66	3285	8507	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26359703_c2_263	3286	8508	121	366	206	1.3e-16

Protein name

Locus Name

Acc#

sp:RL21_HAEIN

P44359

Description

50S RIBOSOMAL PROTEIN L21

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26449224_c1_169	3287	8509	158	477	266	5.7e-23

Protein name	Locus Name	Acc#
hypothetical protein C11G6.3	pir:T19201	T19201

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
266000050_f2_103	3288	8510	599	1800	2475	4.7e-257

Protein name	Locus Name	Acc#
heme uptake protein A and B	gp:AF143945	AF143945

Description

Porphyromonas gingivalis heme uptake protein A and B gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29316930_f2_110	3289	8511	646	1941	416	1.2e-35

Protein name	Locus Name	Acc#
sensory transduction histidine kinase slr2098:protein slr2098:protein slr2098	pir:S75130	S75130

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30585005_c2_256	3290	8512	218	657	227	7.7e-19

Protein name	Locus Name	Acc#
Vexp2	gp:AF140784	AF140784

Description

Streptococcus pneumoniae Vexp1 (vex1), Vexp2 (vex2), Vexp3 (vex3), and P28 (pep27) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30743760_f2_100	3291	8513	740	2223		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33397137_f2_93	3292	8514	320	963	780	1.9e-77

Protein name Locus Name Acc#

thioredoxin reductase gp:AF124757 AF124757

Description

Zymomonas mobilis fosmid clone 43D2, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33476540_c2_248	3293	8515	237	714	107	0.00080

Protein name Locus Name Acc#

hypothetical protein SC66T3.28c pir:T35385 T35385

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34261093_c3_276	3294	8516	302	909	394	7.7e-36

Protein name Locus Name Acc#

putative vicilin storage protein gp:ATAC006135 AC006135

Description

Arabidopsis thaliana chromosome II BAC F24H14 genomic sequence, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35595442_f1_55	3295	8517	176	531		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35739643_c3_308	3296	8518	74	225		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36132943_c1_170	3297	8519	133	402	203	3.1e-15

Protein name Locus Name Acc#

gp:SCYKL202W

Description

S.cerevisiae chromosome XI reading frame ORF YKL202w.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36225250_f3_112	3298	8520	431	1296	363	4.3e-40

Protein name Locus Name Acc#

probable lipopolysaccharide
N-acetylglucosaminyltransferase, rfbU

pir:F64500

F64500

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3913411_c3_298	3299	8521	819	2460	1108	1.4e-119

Protein name	Locus Name	Acc#
beta-N-acetylglucosaminidase	gp:AF072374	AF072374

Description

Pseudoalteromonas sp. S9 beta-N-acetylglucosaminidase (chiQ) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4004010_f1_51	3300	8522	85	258		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4022790_f1_2	3301	8523	649	1950	236	1.4e-27

Protein name	Locus Name	Acc#
glycogen debranching enzyme-related protein	pir:H75549	H75549

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4085937_c2_241	3302	8524	745	2238	3767	0.0

Protein name	Locus Name	Acc#
	sp:GLNA_BACFR	P15623

Description

GLUTAMINE SYNTHETASE, (GLUTAMATE--AMMONIA LIGASE) (GS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4104687_c2_260	3303	8525	238	717	343	4.0e-31
Protein name			Locus Name		Acc#	
abc transporter, ATP-binding protein PAB1696			pir:H75077		H75077	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4115892_c3_326.....	3304	8526	427	1284	879	6.3e-88
Protein name			Locus Name		Acc#	
			sp:SYS_AQUAE		066647	
Description						

SERYL-TRNA SYNTHETASE, (SERINE--TRNA LIGASE) (SERRS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4117177_c2_254.....	3305	8527	232	699	208	8.0e-17
Protein name			Locus Name		Acc#	
			sp:YGGJ_HAEIN		P44627	
Description						

HYPOTHETICAL PROTEIN HI0303

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4408537_c1_209.....	3306	8528	496	1491		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4490927_c2_238	3307	8529	264	795	624	6.6e-61
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Protein name

Locus Name

Acc#

sp:YABN_BACSU

P37556

Description

HYPOTHETICAL 56.1 KD PROTEIN IN MFD-DIVIC INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4798203_f1_45	3308	8530	216	651	108	0.0012
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Protein name

Locus Name

Acc#

sp:Y687_METJA

Q58100

Description

HYPOTHETICAL PROTEIN MJ0687

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4876507_f1_57.....	3309	8531	884	2655	1890	4.6e-195
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Protein name

Locus Name

Acc#

valine--tRNA ligase,

pir:D72206

D72206

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4895087_c3_315.....	3310	8532	317	954	289	2.1e-25
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Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:F72386

F72386

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4897750_c2_255	3311	8533	526	1581		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4944011_f2_105	3312	8534	191	576	218	7.0e-18

Protein name Locus Name Acc#

RNA polymerase sigma-E factor pir:B72234 B72234

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5110962_c2_249	3313	8535	218	657	230	1.3e-17

Protein name Locus Name Acc#

DNA helicase 1 pir:T14895 T14895

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5350265_f1_52	3314	8536	287	864	209	2.2e-34

Protein name Locus Name Acc#

sp:RT65_MYXXA P23071

Description

TRANSCRIPTASE) (MX65-RT)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
657555_fl_44	3315	8537	838	2517	1042	9.7e-108

Protein name

Locus Name

Acc#

sp:SP3E_BACSU

Description

STAGE III SPORULATION PROTEIN E

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
819075_fl_8	3316	8538	134	405	342	5.0e-31

Protein name

Locus Name

Acc#

PanD protein

gp:WSAJ3049

AJ003049

Description

Wolinella succinogenes hydD, hyeE, panD and ispA genes; orf102 andorf341.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
822750_fl_3_116.....	3317	8539	310	933	593	1.3e-57

Protein name

Locus Name

Acc#

pantoate--beta-alanine ligase

plr:E72296

E72296

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10552012_c3_265.....	3318	8540	288	867	151	2.0e-08

Protein name

Locus Name

Acc#

PobR

gp:RLU40388

U40388

Description

Rhizobium leguminosarum positive regulator of pobA (pobR) gene, complete cds, and 4-hydroxybenzoate hydroxylase (pobA) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10597812_c2_233	3319	8541	323	972	249	3.6e-21

Protein name

Locus Name

Acc#

hypothetical protein PAB0040

pir:B75194

B75194

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10728380_c3_284.....	3320	8542	269	810	138	5.6e-07

Protein name

Locus Name

Acc#

sp:YA52_HAEIN

P45008

Description

HYPOTHETICAL TRANSCRIPTIONAL REGULATOR HI1052

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10815938_f3_136.....	3321	8543	165	498		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11928462_f2_82.....	3322	8544	291	876		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12557692_c3_288.....	3323	8545	430	1293	791	1.3e-78

Protein name

Locus Name

Acc#

hypothetical protein HP0513

pir:A64584

A64584

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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12968877_f1_13	3324	8546	283	852	204	2.1e-16
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Protein name

Locus Name

Acc#

sp:FPG_LACLC

P42371

Description

GLYCOSYLASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

12978802_c2_218	3325	8547	338	1017	502	5.6e-48
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Protein name

Locus Name

Acc#

OprM

gp:AB011381

AB011381

Description

Pseudomonas aeruginosa gene for OprM, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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13711378_c1_183.....	3326	8548	560	1683	1603	1.2e-164
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Protein name

Locus Name

Acc#

probable pyrophosphate--fructose 6-phosphate
1-phosphotransferase, beta subunit

pir:C71312

C71312

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

13867937_c3_254.....	3327	8549	968	2907	149	1.5e-05
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Protein name

Locus Name

Acc#

KIAA0738 protein

gp:AB018281

AB018281

Description

Homo sapiens mRNA for KIAA0738 protein, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14644032_f1_19	3328	8550	176	531	140	1.3e-09

Protein name

Locus Name

Acc#

arsenate reductase

pir:B70360

B70360

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14867837_c3_255	3329	8551	62	189		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
156306_c2_231	3330	8552	395	1188	802	9.1e-80

Protein name

Locus Name

Acc#

sp:TRKH_ECOLI

Description

TRK SYSTEM POTASSIUM UPTAKE PROTEIN TRKH

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
156376_c3_253	3331	8553	250	753		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16603380_c2_247	3332	8554	316	951	546	1.2e-52

Protein name

Locus Name

Acc#

hypothetical protein jhp0462

pir:C71929

C71929

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_f1_16	3333	8555	431	1296	1723	2.3e-177
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
hypothetical protein			pir:JQ1020			JQ1020
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20447626_c3_285.....	3334	8556	134	405	86	0.00069
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
unknown			gp:AF025662			AF025662
<u>Description</u>						

Vibrio cholerae lipoprotein (vlpA) and unknown proteins genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20502012_c3_290.....	3335	8557	256	771	741	2.6e-73
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:HIS6_BACSU			034727
<u>Description</u>						

HISF PROTEIN (CYCLASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22459550_f3_174.....	3336	8558	186	561	199	7.2e-16
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
RNA polymerase sigma factor SigZ-like protein			gp:AF137263			AF137263
<u>Description</u>						

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_f2_84	3337	8559	83	252	64	0.031

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23445387_c1_197	3338	8560	194	585		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23598385_f3_135.....	3339	8561	205	618	319	1.4e-28

Protein name

Locus Name

Acc#

hypothetical protein ydeA

pir:C69777

C69777

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24025292_c1_178.....	3340	8562	1126	3381	455	3.8e-73

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24227211_f1_30	3341	8563	102	309	229	4.8e-19

Protein name

Locus Name

Acc#

sp:YGBA_ECOLI

P25728

Description

HYPOTHETICAL 13.9 KD PROTEIN IN PHLA-MUTS INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24257786_f2_114	3342	8564	89	270	91	0.0032

Protein name

Locus Name

Acc#

hypothetical protein pX01-90

pir:B59102

B59102

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24406506_f2_97.....	3343	8565	96	291	131	1.2e-08

Protein name

Locus Name

Acc#

unknown

gp:LLU80410

U80410

Description

Lactococcus lactis cremoris phosphopentomutase (deoB) and purinenucleoside phosphorylase (deoD) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24647562_c2_223.....	3344	8566	287	864	488	1.7e-46

Protein name

Locus Name

Acc#

sp:YEGX_ECOLI

Description

HYPOTHETICAL 32.0 KD PROTEIN IN FBAB-THID INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24647760_c3_287	3345	8567	137	414	157	2.0e-11

Protein name

Locus Name

Acc#

probable general stress protein 26

pir:D75431

D75431

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648567_c1_180	3346	8568	302	909	129	0.00044

Protein name

Locus Name

Acc#

hypothetical protein SC3A7.16c

pir:T29435

T29435

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26257937_f1_15	3347	8569	360	1083		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26384687_c3_258	3348	8570	88	267	129	1.9e-08

Protein name

Locus Name

Acc#

hypothetical protein APE0900

pir:D72685

D72685

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26447312_f1_40	3349	8571	73	222		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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26597066_c1_214	3350	8572	234	705	445	6.1e-42
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Protein name

Locus Name

Acc#

cell division ATP-binding protein itse

pir:E70919

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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26694091...f3...125.....	3351	8573	69	210	102	1.4e-05
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Protein name

Locus Name

Acc#

hypothetical protein

gp:SSU18930

Y18930

Description

Sulfolobus solfataricus 281 kb genomic DNA fragment, strain P2.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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29406301...c2...230.....	3352	8574	128	387	97	0.00048
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Protein name

Locus Name

Acc#

TRK potassium uptake system protein (trkH)
homolog

pir:G69354

G69354

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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29417562...f2...81.....	3353	8575	257	774		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
32125280_f3_154	3354	8576	61	186		
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33229628_f3_163	3355	8577	65	198		
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33369017_c3_286	3356	8578	274	825	109	2.5e-05
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
probable araC family transcription regulator					pir:T35902	T35902
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33789127_c1_212	3357	8579	244	735	455	5.4e-43
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
phosphoribosylformimino-5 aminoimidazole					gp:AB008676	AB008676
<u>Description</u>						

Escherichia coli 0157 DNA, map position at 46 min., complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34084407_f3_158	3358	8580	60	183		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3928385_c1_179	3359	8581	639	1920		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4098430_f1_35	3360	8582	395	1188	656	2.7e-64

Protein name Locus Name Acc#

putative membrane transport protein. gp:SCC75A AL133220

Description

Streptomyces coelicolor cosmid C75A.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4101550_c1_202	3361	8583	105	318	208	8.0e-17

Protein name Locus Name Acc#

hypothetical protein ysdA pir:G69983 G69983

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4175305_f2_72	3362	8584	81	246		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
42700_f1_17	3363	8585	247	744		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4414677_c2_249	3364	8586	206	621	540	5.3e-52

Protein name Locus Name Acc#

sp:HIS2_KLEPN 024714

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4459456_c3_268	3365	8587	407	1224	152	3.9e-07

Protein name Locus Name Acc#

chromosome assembly protein homolog pir:B70356 B70356

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4723450_f1_8	3366	8588	68	207	79	0.017

Protein name Locus Name Acc#

hypothetical protein YHR167w pir:S52609 S52609

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4875287_c1_211	3367	8589	199	600	440	2.1e-41
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Protein name

Locus Name

Acc#

sp:HIS5_ECOLI

P10375

Description

AMIDOTRANSFERASE HISH,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4878126_c2_251	3368	8590	390	1173	700	5.8e-69
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Protein name

Locus Name

Acc#

diaminopimelate decarboxylase,

pir:C70404

C70404

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4885942_c2_250	3369	8591	377	1134	538	8.6e-52
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Protein name

Locus Name

Acc#

precursor monofunctional aspartokinase

gp:AF135862

AF135862

Description

Glycine max precursor monofunctional aspartokinase mRNA, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4901562_c2_224	3370	8592	446	1341	378	1.8e-39
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Protein name

Locus Name

Acc#

cell division inhibitor:protein
slr1223:protein slr1223

pir:S77404

S77404

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

5177305_f1_18	3371	8593	320	963	738	5.5e-73
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Protein name

Locus Name

Acc#

sp:YBIN_ECOLI

P75782

Description

HYPOTHETICAL 34.2 KD PROTEIN IN DING-GLNQ INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

5329811_f2_96	3372	8594	303	912	190	2.8e-13
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Protein name

Locus Name

Acc#

transcription regulator AraC/XylS family
homolog ydeE

pir:G69777

G69777

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

5875817_c2_240.....	3373	8595	256	771	162	6.5e-12
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Protein name

Locus Name

Acc#

mutator protein mutT:hypothetical protein
sll1045:hypothetical protein sll1045

pir:S74508

S74508

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

631558_f2_95.....	3374	8596	319	960	226	9.9e-19
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Protein name

Locus Name

Acc#

sp:YT29_MYCTU

P71564

Description

PUTATIVE OXIDOREDUCTASE RV0945,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
800677_c1_184	3375	8597	572	1719		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9.792.7.15_c2_236.....	3376	8598	1242	3729	194	2.7e-23

Protein name

Locus Name

Acc#

chromosome assembly protein homolog

pir:B70356

B70356

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9820893_c1_216.....	3377	8599	68	207		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12583432_c1_57.....	3378	8600	111	336	146	3.0e-10

Protein name

Locus Name

Acc#

gp:AB006709

AB006709

Description

Vibrio alginolyticus rpoN gene for RNA polymerase sigma factor N, partial and complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14508412_c3_77	3379	8601	174	525	158	1.6e-11

Protein name

Locus Name

Acc#

sp:RL10_BACSU

P42923

Description

(VEGETATIVE PROTEIN 300) (VEG300)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19627151_f1_16	3380	8602	196	591	383	2.3e-35

Protein name

Locus Name

Acc#

hypothetical protein RP516

pir:F71655

F71655

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22462765_f3_47	3381	8603	593	1782	1077	6.6e-109

Protein name

Locus Name

Acc#

aminopeptidase P

gp:DME131920

AJ131920

Description

Drosophila melanogaster Daminopep-p gene, partial.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23710302_c2_65	3382	8604	399	1200	2049	6.5e-212

Protein name

Locus Name

Acc#

sp:EFTU_BACFR

P33165

Description

ELONGATION FACTOR TU (EF-TU)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24407752_c2_67	3383	8605	151	456	442	1.3e-41

Protein name

Locus Name

Acc#

sp:RL11_MYCTU

P96931

Description

50S RIBOSOMAL PROTEIN L11

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
274030_f1_12	3384	8606	95	288	108	3.2e-06

Protein name

Locus Name

Acc#

hypothetical protein PH1485

pir:H71023

H71023

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2985637_c1_59.....	3385	8607	114	345	93	0.00012

Protein name

Locus Name

Acc#

SecE protein

pir:JE0331

JE0331

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34120287_c3_76.....	3386	8608	76	231	168	1.4e-12

Protein name

Locus Name

Acc#

sp:RL1_HAEIN

P44342

Description

50S RIBOSOMAL PROTEIN L1

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
36222568_c2_60	3387	8609	410	1233	390	4.1e-36

Protein name Locus Name Acc#
 3-deoxy-manno-octulosonic acid transferase gp:SMU52844 U52844

Description

Serratia marcescens putative glycosyltransferase, putative glycosyltransferase, putative heptosylIII transferase (waaQ), 3-deoxy-manno-octulosonic acid transferase (waaA), glucosyltransferase (waaE), and KdtB (kdtB) genes, complete cds; and Fpg (fpg) gene, partial cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
4297002_c2_63	3388	8610	308	927	507	1.7e-48

Protein name Locus Name Acc#
 tyrosine recombinase XerD gp:AF093548 AF093548

Description

Staphylococcus aureus tyrosine recombinase XerD (xerD) gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
4472125_c2_66	3389	8611	190	573	384	1.8e-35

Protein name Locus Name Acc#
 99% identity over 181 amino acids with E. coli gp:STYSTMF1 AF170176

Description

Salmonella typhimurium fragment STMF1.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
5897507_c2_68	3390	8612	180	543	463	7.6e-44

Protein name Locus Name Acc#
 sp:RL1_STRSQ Q07976

Description

50S RIBOSOMAL PROTEIN L1

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6839052_c1_56	3391	8613	89	270	138	2.1e-09

Protein name

Locus Name

Acc#

sp:RS21_BORBU

051271

Description

30S RIBOSOMAL PROTEIN S21

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
781536_c3_78	3392	8614	138	417	339	1.0e-30

Protein name

Locus Name

Acc#

sp:RL7_HAEIN

P44348

Description

50S RIBOSOMAL PROTEIN L7/L12

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9853461_c2_69.....	3393	8615	957	2871	1716	1.5e-228

Protein name

Locus Name

Acc#

RNA polymerase B-subunit

gp:AF087812

AF087812

Description

Legionella pneumophila RNA polymerase B-subunit (rpoB) gene, complete cds; and RNA polymerase B'-subunit (rpoC) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14650337_f2_2.....	3394	8616	595	1788	103	1.8e-07

Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24415717_f3_4	3395	8617	77	234	146	1.6e-09

Protein name

Locus Name

Acc#

sp:SUCC_THEFL

P25126

Description

SUCCINYL-COA SYNTHETASE BETA CHAIN, (SCS-BETA)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33324216_f2_1	3396	8618	668	2007	473	2.0e-42

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:Susc protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23617128_c1_25	3397	8619	405	1218	734	1.5e-72

Protein name

Locus Name

Acc#

putative hydrolase

gp:SCM11

AL133278

Description

Streptomyces coelicolor cosmid M11.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24317062_f2_14	3398	8620	691	2076	220	2.2e-18

Protein name

Locus Name

Acc#

hypothetical protein TM0280

pir:F72395

F72395

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2991276_f3_19	3399	8621	528	1587	165	5.5e-09

Protein name

Locus Name

Acc#

gp:BOU15179

U15179

Description

Bacteroides ovatus arabinosidase (asdII) gene, complete cds and putative transketolase, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31437792_f1_9	3400	8622	244	735		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35837506_c1_20	3401	8623	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4039086_c1_24	3402	8624	371	1116	102	0.017

Protein name

Locus Name

Acc#

endo-α1,5-arabinanase

gp:PFARBA

Y10458

Description

P.fluorescens arbA gene for endo-α1,5-arabinanase.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10751260_f3_9	3403	8625	740	2223	842	2.2e-89

Protein name

Locus Name

Acc#

sp:HLY2_ECOLI

P10089

Description

HEMOLYSIN SECRETION ATP-BINDING PROTEIN, CHROMOSOMAL

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23635937_f1_2	3404	8626	203	612		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24644135_f1_1	3405	8627	223	672		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24665831_f3_7	3406	8628	239	720	146	4.8e-08

Protein name

Locus Name

Acc#

glycosyltransferase

gp:AF146532

AF146532

Description

Klebsiella pneumoniae waa gene cluster.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33442593_f2_6	3407	8629	208	627		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1347692_f1_1	3408	8630	255	768	557	8.3e-54

Protein name

Locus Name

Acc#

sp:ATCS_SYNY3

P73241

Description

CATION-TRANSPORTING ATPASE PACS,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
48828124_c1_5	3409	8631	67	204	178	9.6e-13

Protein name

Locus Name

Acc#

hypothetical protein PFB0225c

pir:E71620

E71620

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
48828124_c2_8	3410	8632	63	192	168	1.2e-11

Protein name

Locus Name

Acc#

hypothetical protein PFB0225c

pir:E71620

E71620

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
48828124_c3_10	3411	8633	61	186	50	0.0053

Protein name

Locus Name

Acc#

translation initiation factor eIF-2 beta chain

pir:T17104

T17104

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12587876_c2_118	3412	8634	767	2304	195	2.2e-11

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15040927_c1_80	3413	8635	190	573	203	2.7e-16

Protein name

Locus Name

Acc#

sp:YM67_ARCFU

028017

Description

(EC 1.-.-.-)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15632927_c3_157	3414	8636	240	720		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20336010_f2_50	3415	8637	305	918	132	9.8e-06
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
endo-1,4-beta-xylanase homolog yjeA	pir:G69849				G69849	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23615882_f2_38	3416	8638	671	2016	1649	1.6e-169
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein	gp:PAL243361				AJ243361	
<u>Description</u>						
Prevotella albensis ORF1, isolate M384.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23625277_f3_79	3417	8639	953	2862	2467	3.3e-256
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein	pir:S76257				S76257	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23712752_c1_91	3418	8640	737	2214	1460	9.0e-161
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
probable copper-transporting ATPase, yvgX	pir:E70041				E70041	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24475400_f1_2	3419	8641	214	645	138	6.4e-08

Protein name	Locus Name	Acc#
response regulator	gp:PPUY18245	Y18245

Description

Pseudomonas putida todX, todF, todC1, todC2, todB, todA, todD, todE, todG, todI, todH, todS, todT genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24806562_f1_6	3420	8642	132	399		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25525416_f1_12	3421	8643	318	957	282	8.7e-24

Protein name	Locus Name	Acc#
	sp:XYNB_BUTF1	P26223

Description

D-XYLAN XYLANOHYDROLASE B)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25567276_c1_90	3422	8644	145	438	115	5.7e-07

Protein name	Locus Name	Acc#
mercury reductase homolog	pir:I64109	I64109

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26281308_f1_15	3423	8645	106	321		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29579692_f2_39	3424	8646	282	849	102	0.023

Protein name

Locus Name

Acc#

gp:AF025396

AF025396

Description

Vibrio anguillarum rfb region, partial sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30276381_f3_61	3425	8647	467	1404	259	2.6e-19

Protein name

Locus Name

Acc#

sp:RESE_BACSU

P35164

Description

SENSOR PROTEIN RESE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31883436_c1_93	3426	8648	282	849	419	3.5e-39

Protein name

Locus Name

Acc#

lipote-protein ligase B

gp:AF153678

AF153678

Description

Myxococcus xanthus lipoleic acid synthetase precursor, lipoamideacyltransferase, and lipote-protein ligase B genes, complete cds;and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32218816_f3_78	3427	8649	221	666	370	5.4e-34

Protein name

Locus Name

Acc#

sp:YCBL_ECOLI

P75849

Description

HYPOTHETICAL 23.8 KD PROTEIN IN MUKB-ASPC INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33603128_c1_100	3428	8650	129	390	135	4.3e-09

Protein name

Locus Name

Acc#

hypothetical protein PH0362

pir:G71143

G71143

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34173437_f3_68	3429	8651	296	891	171	9.1e-11

Protein name

Locus Name

Acc#

regulatory protein

gp:AF036244

AF036244

Description

Azotobacter chroococcum 4-hydroxybenzoate hydroxylase (pobA) gene, partial cds; and regulatory protein (pobR) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3910880_f2_51	3430	8652	237	714	230	3.7e-19

Protein name

Locus Name

Acc#

sp:GIDB_BACSU

P25813

Description

GLUCOSE INHIBITED DIVISION PROTEIN B

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
504010_f2_44	3431	8653	134	405	127	3.1e-08
Protein name			Locus Name		Acc#	
hypothetical protein APE1455			pir:G72624		G72624	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6351450_f2_35	3432	8654	338	1017	650	1.2e-63
Protein name			Locus Name		Acc#	
transcription regulator NtrC family			pir:C70396		C70396	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6647150_c3_138	3433	8655	158	477	101	0.0015
Protein name			Locus Name		Acc#	
chitinase IV precursor			gp:AF112966		AF112966	
Description						
Triticum aestivum chitinase IV precursor (Cht4) mRNA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10189063_f1_98	3434	8656	433	1302		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1051942_f1_25	3435	8657	266	801	131	5.1e-06
Protein name			Locus Name		Acc#	
hypothetical protein AF2299			pir:C69537		C69537	
Description						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10546880_c2_519	3436	8658	221	666	136	3.8e-07
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein PAB0790			pir:H75098		H75098	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10586563_f2_192	3437	8659	304	915	90	0.0014
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			gp:D42067		D42067	
<u>Description</u>						

Porphyromonas gingivalis DNA for Fimbrilin, ORF1-4, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10650701_f1_51	3438	8660	61	186		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10665908_f1_96	3439	8661	302	909	81	0.023
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
L. lactis predicted coding region ORF00061			gp:AE001272		AE001272	
<u>Description</u>						

Lactococcus lactis DPC3147 plasmid pMRC01, complete plasmidsequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
117142_c2_481	3440	8662	326	981	304	5.4e-27
Protein name			Locus Name			Acc#
hypothetical protein			pir:S76925			S76925
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11834807_c1_346	3441	8663	75	228		
Protein name			Locus Name			Acc#
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1210252_f2_116	3442	8664	513	1542	1190	7.0e-121
Protein name			Locus Name			Acc#
conserved hypothetical protein ymdA			pir:F69884			F69884
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12110668_c1_418	3443	8665	61	186		
Protein name			Locus Name			Acc#
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12501250_f2_154	3444	8666	251	756	127	3.1e-06
Protein name			Locus Name			Acc#
hypothetical protein PAB1224			pir:A75022			A75022
Description						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1253425_f1_38	3445	8667	1445	4338	822	2.9e-79
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
DNA helicase related protein			pir:H69163		H69163	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12612930_c2_546.....	3446	8668	343	1032	146	1.6e-07
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
transmembrane sensor			gp:AF051691		AF051691	
<u>Description</u>						
Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12697702_f1_17.....	3447	8669	63	192		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12770151_f2_141.....	3448	8670	289	870	128	1.0e-05
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein			gp:PST249385		AJ249385	
<u>Description</u>						

Pseudomonas stutzeri pilT, pilU, ORF1 (partial) and ORF2 (partial) genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1360802_f3_306	3449	8671	373	1122	100	0.030

Protein name

Locus Name

Acc#

neurofilament protein H form H2 (repetitive region)

pir:B43427

B43427

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13884627_f1_93.....	3450	8672	125	378	260	1.7e-21

Protein name

Locus Name

Acc#

sp:TRA2_BACFR

Q45119

Description

TRANSPOSASE FOR INSERTION SEQUENCE ELEMENT IS21-LIKE

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14344010_c1_391.....	3451	8673	303	912	610	2.0e-59

Protein name

Locus Name

Acc#

probable ion transporter

pir:E75470

E75470

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14501300_f1_43.....	3452	8674	149	450	71	0.040

Protein name

Locus Name

Acc#

sp:TXMA_DENPO

P80494

Description

MUSCARINIC TOXIN ALPHA (MT-ALPHA)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14730202_c3_613	3453	8675	88	267	99	9.4e-05
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein F13D12.3	pir:T20831				T20831	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14955312_c1_369.....	3454	8676	68	207	78	0.012
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
	sp:H5_CHICK				P02259	
<u>Description</u>						

HISTONE H5

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15105287_f2_174.....	3455	8677	85	258		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16225407_f1_97.....	3456	8678	138	417		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16407262_f3_222	3457	8679	164	495		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16517037_f2_194	3458	8680	61	186		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16525383_f1_99	3459	8681	119	360		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16923417_f3_221	3460	8682	63	192		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
189032_f2_161	3461	8683	450	1353	1085	9.3e-110

Protein name Locus Name Acc#

O-acetylhomoserine sulphydrylase

pir:D72324

D72324

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
196062_c1_399	3462	8684	227	684	378	7.7e-35

Protein name

Locus Name

Acc#

sp:YHID_ECOLI

P26606

Description

HYPOTHETICAL 23.2 KD PROTEIN IN SLP-HDEB INTERGENIC REGION (ORF-C)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1992011_c1_367	3463	8685	91	276		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20047683_f3_225	3464	8686	478	1437	772	1.4e-76

Protein name

Locus Name

Acc#

sp:YKGF_ECOLI

P77536

Description

HYPOTHETICAL 53.1 KD PROTEIN IN EAEH-BETA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20712687_c3_604	3465	8687	95	288	75	0.047

Protein name

Locus Name

Acc#

hypothetical protein aq_1680

pir:F70445

F70445

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21534653_c3_651	3466	8688	150	453	79	0.0047
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein Rv0603	pir:F70909				F70909	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21995337_c2_469	3467	8689	543	1632	227	5.5e-18
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein PH0142	pir:D71235				D71235	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22052177_c3_568	3468	8690	300	903	90	0.0014
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
	sp:PQRA_PROVU				Q52620	
<u>Description</u>						
REGULATORY PROTEIN PQRA						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22548450_i2_172	3469	8691	63	192		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23445887_f2_152	3470	8692	281	846	107	0.0025

Protein name	Locus Name	Acc#
sensory transduction histidine kinase sll1475:protein sll1475:protein sll1475	pir:S76818	S76818

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23476512_c1_344	3471	8693	519	1560	1712	3.4e-176

Protein name	Locus Name	Acc#
propionyl-CoA carboxylase	gp:AB007000	AB007000

Description

Myxococcus xanthus MxppcB gene for propionyl-CoA carboxylase, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23635902_c1_445	3472	8694	351	1056	94	0.038

Protein name	Locus Name	Acc#
ORF188	gp:AB000109	AB000109

Description

Dictyostelium discoideum mitochondrial DNA, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23838137_c2_547	3473	8695	1094	3285	300	1.0e-47

Protein name	Locus Name	Acc#
receptor antigen (RagA)	gp:PGI130872	AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
241542_f1_86	3474	8696	98	297		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
242190.7.7_c1_439.....	3475	8697	179	540	404	1.4e-37

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
242250.06_c3_666.....	3476	8698	769	2310	1773	1.2e-182

Protein name

Locus Name

Acc#

hypothetical protein b2463

pir:F65021

F65021

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
242253.26_f2_189.....	3477	8699	317	954	122	7.2e-06

Protein name

Locus Name

Acc#

sp:EXSA_PSEAE

P26993

Description

EXOENZYME S SYNTHESIS REGULATORY PROTEIN EXSA

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24255332_f1_87	3478	8700	770	2313	504	8.9e-48

Protein name

Locus Name

Acc#

sp:YBAL_ECOLI

Description

HYPOTHETICAL 59.4 KD PROTEIN IN GSK-FSR INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24258385_c1_412	3479	8701	121	366	285	5.5e-25

Protein name

Locus Name

Acc#

arsenate reductase homolog yusI

pir:B70021

B70021

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24260885_c3_570.....	3480	8702	68	207		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24328338_c1_444.....	3481	8703	277	834	110	0.00067

Protein name

Locus Name

Acc#

sp:EBA2_FLAME

P36912

Description

(ENDOGLYCOSIDASE F2)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24407150_f2_170	3482	8704	296	891	157	4.0e-09

Protein name	Locus Name	Acc#
pobR regulator	gp:PSEY18527	Y18527

Description

Pseudomonas sp. pobA, pobR, pcaQ, pcaH and pcaG genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24413137_f2_118	3483	8705	194	585	122	2.0e-12

Protein name	Locus Name	Acc#
	sp:PFS_BACSU	O32028

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24414711_c1_333	3484	8706	394	1185	521	5.4e-50

Protein name	Locus Name	Acc#
	sp:PNCB_ECOLI	P18133

Description

NICOTINATE PHOSPHORIBOSYLTRANSFERASE, (NAPRTASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24417062_f3_291	3485	8707	228	687	124	2.3e-06

Protein name	Locus Name	Acc#
isochorismatase homolog ywoC	pir:F70064	F70064

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24494000_f1_20	3486	8708	182	549	251	2.2e-21

Protein name

Locus Name

Acc#

sp:YGCF_HAEIN

P45097

Description

HYPOTHETICAL PROTEIN HI1189

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24633462_c3_630	3487	8709	366	1101	971	1.1e-97

Protein name

Locus Name

Acc#

sp:YE55_HAEIN

P45213

Description

HYPOTHETICAL PROTEIN HI1455

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24640885_f1_21.....	3488	8710	248	747	488	1.7e-46

Protein name

Locus Name

Acc#

hypothetical protein SCF43A.05

pir:T36428

T36428

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24641512_f2_187.....	3489	8711	405	1218	132	6.1e-08

Protein name

Locus Name

Acc#

gp:YP102KB

AL031866

Description

Yersinia pestis 102 kbases unstable region: from 1 to 119443.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24645932_c2_477	3490	8712	477	1434	511	6.2e-49

Protein name

Locus Name

Acc#

sp:YLCB_ECOLI

P77211

Description

PRECURSOR

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24648387_f3_234	3491	8713	320	963	578	4.9e-56

Protein name

Locus Name

Acc#

sp:YNBB_ECOLI

Description

HYPOTHETICAL 33.1 KD PROTEIN IN MAOC-ACPD INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24650187_f2_131	3492	8714	443	1332	1119	2.3e-113

Protein name

Locus Name

Acc#

sp:YICE_ECOLI

P27432

Description

HYPOTHETICAL 48.9 KD PROTEIN IN GLTS-SELC INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24806512_f2_117	3493	8715	252	759	569	4.4e-55

Protein name

Locus Name

Acc#

CGI-32 protein

gp:AF132966

AF132966

Description

Homo sapiens CGI-32 protein mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24870957_f2_200	3494	8716	291	876	104	0.0042

Protein name

Locus Name

Acc#

sp:VG77_BPML5

Q05292

Description

GENE 77 PROTEIN (GP77)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24897892_f2_120	3495	8717	200	603	119	1.2e-05

Protein name

Locus Name

Acc#

hypothetical protein HP0137

pir:A64537

A64537

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25422952_f1_94	3496	8718	165	498		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26257687_f3_254	3497	8719	505	1518	107	0.0052

Protein name

Locus Name

Acc#

fibroin heavy chain PG-2'

pir:B61615

B61615

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26260191_c1_421	3498	8720	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26287817_f2_146	3499	8721	78	237		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26369387_f3_244	3500	8722	128	387	83	0.013

Protein name

Locus Name

Acc#

putative integral membrane protein

gp:SC51A

AL121596

Description

Streptomyces coelicolor cosmid 51A.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26439037_c1_370	3501	8723	80	243		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26815936_f1_60	3502	8724	373	1122		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26853838_f2_114	3503	8725	138	417	93	0.00012

Protein name	Locus Name	Acc#
vacuolar type ATP synthase subunit	gp:D63799	D63799

Description

Thermus thermophilus genes, Operon of Vacuolar type ATP synthase subunit, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2931593_f2_126	3504	8726	390	1173	202	9.2e-13

Protein name	Locus Name	Acc#
115K outer membrane protein precursor:Susc protein	pir:JC6027	JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29390682_f2_140.....	3505	8727	311	936	117	0.00023

Protein name	Locus Name	Acc#
unknown	gp:AF175293	AF175293

Description

Enterococcus faecium strain N97-330 vanD glycopeptide resistance gene cluster, complete cds; and unknown gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29486512_f1_49.....	3506	8728	552	1659	360	1.2e-32

Protein name	Locus Name	Acc#
cation efflux system protein	pir:C71831	C71831

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30275287_c3_674	3507	8729	394	1185		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30351687_f1_76	3508	8730	511	1536	1766	6.4e-182

Protein name

Locus Name

Acc#

sp:IMDH_TRIFO

P50097

Description

DEHYDROGENASE) (IMPDH) (IMPD)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30470408_f2_171	3509	8731	110	333	196	1.5e-15

Protein name

Locus Name

Acc#

hypothetical protein SC5F2A.08c

pir:T35250

T35250

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31914013_f1_36	3510	8732	435	1308	544	2.0e-52

Protein name

Locus Name

Acc#

hypothetical protein MTH1458

pir:B69061

B69061

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32110150_c1_438	3511	8733	82	249		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32422050_f2_130	3512	8734	246	741		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32507687_c3_639	3513	8735	703	2112	196	1.9e-26

Protein name Locus Name Acc#

sp:Y634_METJA Q58051

Description

HYPOTHETICAL PROTEIN MJ0634

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33600625_c1_426	3514	8736	134	405	217	8.9e-18

Protein name Locus Name Acc#

sp:YBAN_ECOLI

Description

HYPOTHETICAL 14.8 KD PROTEIN IN PRIC-APT INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33767187_f2_191	3515	8737	404	1215	96	0.016

Protein name Locus Name Acc#

probable glycine-rich secreted protein pir:T36291 T36291

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33789067_c2_486	3516	8738	777	2334	95	4.6e-06

Protein name	Locus Name	Acc#
conserved hypothetical protein AF1017	pir:A69377	A69377
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33875836_c3_609	3517	8739	316	951		

Protein name	Locus Name	Acc#
<u>Description</u>		

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34173188_c3_577	3518	8740	170	513	149	1.4e-14

Protein name	Locus Name	Acc#
methylmalonyl-coa decarboxylase gamma chain PAB1771	pir:F75135	F75135

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34179812_c1_436	3519	8741	449	1350	2234	1.6e-231

Protein name	Locus Name	Acc#
	sp:DHE4_BACTN	P94598

Description

(NAD(P)H-DEPENDENT GLUTAMATE DEHYDROGENASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34254662_c2_488	3520	8742	294	885	129	1.2e-05

Protein name	Locus Name	Acc#
microfilarial sheath protein SHP3	gp:LSU54556	U54556

Description

Litomosoides sigmodontis microfilarial sheath protein SHP3a (shp3a) and microfilarial sheath protein SHP3 (shp3) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34495216_c1_355	3521	8743	936	2811	1593	1.4e-163

Protein name	Locus Name	Acc#
acriflavin resistance protein acrF:protein slr2131:protein slr2131	pir:S75508	S75508

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36132761_f2_115	3522	8744	102	309	83	0.0014

Protein name	Locus Name	Acc#
	sp:YGFE_ECOLI	P45580

Description

HYPOTHETICAL 12.6 KD PROTEIN IN PEPP-SSR INTERGENIC REGION (OI09)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36445812_c3_605	3523	8745	185	558		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36525343_F3_309	3524	8746	96	291		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3928885_c1_354.....	3525	8747	142	429	336	3.7e-29

Protein name

Locus Name

Acc#

CeoB

gp:BCU97042

U97042

Description

Burkholderia cepacia CeoA (ceoA) and CeoB (ceoB) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3946052_c3_586.....	3526	8748	374	1125	392	2.5e-36

Protein name

Locus Name

Acc#

SmeA

gp:AF173226

AF173226

Description

Stenotrophomonas maltophilia multidrug efflux system SmeR (smeR), SmeS (smeS), SmeA (smeA), SmeB (smeB), and SmeC (smeC) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3949052_f1_35.....	3527	8749	61	186	95	7.5e-05

Protein name

Locus Name

Acc#

histone H1-like protein

pir:JH0658

JH0658

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3961641_f3_308	3528	8750	226	681		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4064375_f2_190	3529	8751	411	1236	157	2.4e-08

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

transposase	gp:AF038866	AF038866
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Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4100342_f2_193	3530	8752	65	198		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4100917_c2_537	3531	8753	393	1182	144	8.7e-14

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

hypothetical protein RP338	pir:D71690	D71690
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4103438_c2_465	3532	8754	507	1524	1314	5.0e-134

Protein name
Description

Locus Name Acc#
 sp:ACCC_METJA Q58626

CARBOXYLASE,) (ACC)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4105152_c3_583	3533	8755	110	333		

Protein name
Description

Locus Name Acc#

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4115925_c1_405.....	3534	8756	462	1389	1234	1.5e-125

Protein name
Description

Locus Name Acc#
 sp:ALST_BACSU Q45068

AMINO ACID CARRIER PROTEIN ALST

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4116561_c2_485.....	3535	8757	63	192		

Protein name
Description

Locus Name Acc#

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4144005_f1_44	3536	8758	1255	3768	957	2.8e-173
Protein name			Locus Name		Acc#	
cation efflux system (AcrB/AcrD/AcrF family)			pir:G70396		G70396	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4151510_f3_226	3537	8759	293	882	414	1.2e-38
Protein name			Locus Name		Acc#	
pyridoxal kinase (pdxK) homolog			pir:G70195		G70195	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
422962_c1_361	3538	8760	377	1134	145	1.0e-06
Protein name			Locus Name		Acc#	
N-acetylmuramoyl-L-alanine amidase homolog			pir:H70177		H70177	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4337540_f1_57	3539	8761	106	321		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4345932_c1_331	3540	8762	62	189		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4494016_c2_501	3541	8763	348	1047	308	2.0e-27

Protein name: conserved hypothetical protein aq_1420

Locus Name: pir:D70423

Acc#: D70423

Description:

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4509682_c2_524	3542	8764	197	594	136	3.4e-09

Protein name: unknown

Locus Name: gp:AF088897

Acc#:

Description: Zymomonas mobilis cosmid clone 65G3, partial sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4572126_c2_520	3543	8765	213	642		

Protein name:

Locus Name:

Acc#:

Description: NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4725056_f3_224	3544	8766	117	354	176	2.0e-13

Protein name: conserved hypothetical protein aq_853

Locus Name: pir:A70374

Acc#: A70374

Description:

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
506502_c1_443	3545	8767	551	1656		

Protein name:

Locus Name:

Acc#:

Description: NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5273588_f3_235	3546	8768	226	681	142	1.4e-08
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
2-acylglycerophosphoethanolamine acyltransferase			pir:E70476		E70476	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5937505_c1_345	3547	8769	76	231		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
594753_f3_245	3548	8770	532	1599	552	3.4e-52
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
DNA helicase related protein			pir:H69163		H69163	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6145427_f2_186	3549	8771	69	210		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6845262_c2_527	3550	8772	614	1845	1053	2.3e-106

Protein name	Locus Name	Acc#
	sp:YFBK_ECOLI	P76481

Description

HYPOTHETICAL 63.6 KD PROTEIN IN ELAD-NUON INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7034587_f3_305	3551	8773	104	315	81	0.0058

Protein name	Locus Name	Acc#
	sp:ZN90_HUMAN	Q03938

Description

ZINC FINGER PROTEIN 90 (ZINC FINGER PROTEIN HTF9) (FRAGMENT)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9452_f3_236	3552	8774	191	576	174	3.2e-13

Protein name	Locus Name	Acc#
	sp:RPSH_PSEAE	Q06198

Description

RNA POLYMERASE SIGMA-H FACTOR (SIGMA-30)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10238542_c3_212	3553	8775	107	324		

Protein name	Locus Name	Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
11744515_f2_54	3554	8776	577	1734		

Protein name _____ Locus Name _____ Acc# _____

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1270751_g2_173	3555	8777	64	195		

Protein name _____ Locus Name _____ Acc# _____

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13675401_g3_218	3556	8778	161	486		

Protein name _____ Locus Name _____ Acc# _____

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13875343_f1_29	3557	8779	400	1203		

Protein name _____ Locus Name _____ Acc# _____

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
156662_f3_62	3558	8780	107	324	201	4.4e-16

Protein name

Locus Name

Acc#

sp:DBH_BACST

Description

DNA-BINDING PROTEIN II (HB) (HU)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
18891_f3_74	3559	8781	612	1839	1158	1.7e-117

Protein name

Locus Name

Acc#

sp:SYR_TREPA

083803

Description

ARGINYL-TRNA SYNTHETASE, (ARGININE--TRNA LIGASE) (ARGRS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19633590_f3_94	3560	8782	450	1353		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20360282_c1_111	3561	8783	68	207		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22853411_c1_127	3562	8784	366	1101	75	0.037
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein SC6E10.19c			pir:T35506		T35506	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23555312_c2_169	3563	8785	85	258		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23625188_f1_34	3564	8786	608	1827	1638	2.3e-168
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hemolysin erythrocyte lysis protein 2			gp:AF052516		AF052516	
<u>Description</u>						

Prevotella intermedia hemolysin hemolytic protein, hemolysin erythrocyte lysis protein 1, and hemolysin erythrocyte lysis protein 2 genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2364687_c2_175	3565	8787	154	465		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23710877_c2_174	3566	8788	1011	3036	942	1.3e-94

Protein name

Locus Name

Acc#

protein-export membrane protein

gp:AB022865

AB022865

Description

Prevotella ruminicola genes for polygalacturonase, xylosidase, protein-export membrane protein, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23925627_c3_195	3567	8789	82	249		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24023500_f1_33	3568	8790	493	1482	193	5.2e-13

Protein name

Locus Name

Acc#

sp:Y907_METJA

Q58317

Description

HYPOTHETICAL PROTEIN MJ0907

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24298390_f2_56	3569	8791	126	381		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24398412_c3_207	3570	8792	334	1005		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24415877_c1_119	3571	8793	1003	3012	152	2.2e-07

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

conserved hypothetical protein aq_1896	pir:E70463	E70463
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24429643_c3_206	3572	8794	801	2406	1069	2.5e-141

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

topoisomerase I	gp:AF088896	AF088896
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Description

Zymomonas mobilis fosmid clone 42C11, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24642836_c1_120	3573	8795	569	1710		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24650377_F1_31	3574	8796	436	1311		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24650377_F2_57	3575	8797	436	1311		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29346012_F3_97	3576	8798	411	1236	105	0.011

Protein name

Locus Name

Acc#

rRNA methylase (SpoU family) (OO, TP)
PFB0855c

pir:B71604

B71604

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29406680_c1_109	3577	8799	126	381		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29695387_F3_93	3578	8800	399	1200		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30084687_f2_59	3579	8801	428	1287		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30507138_f1_2	3580	8802	561	1686	112	0.038

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

submaxillary mucin 1	pir:T42233	T42233
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34256561_c3_213	3581	8803	228	687	146	1.5e-21

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

probable glpG protein	pir:D71258	D71258
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35267555_c1_126	3582	8804	309	930	177	3.2e-13

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

probable glpG protein	pir:D71258	D71258
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35582908_c2_182	3583	8805	77	234		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36207937_f1_1	3584	8806	489	1470		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
395662_c1_118	3585	8807	189	570	151	8.8e-11

Protein name

Locus Name

Acc#

mutator protein mutT

pir:D64443

D64443

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4103377_f3_98	3586	8808	207	621	177	4.6e-20

Protein name

Locus Name

Acc#

lic-1 protein D

pir:E64128

E64128

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
441500_f2_42	3587	8809	77	234		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4694011_f3_73	3588	8810	99	300	272	1.3e-23

Protein name

Locus Name

Acc#

sp:DBH_BACST

Description

DNA-BINDING PROTEIN II (HB) (HU)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5260952_f1_32	3589	8811	426	1281		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5860750_f1_27	3590	8812	100	303	73	0.023

Protein name

Locus Name

Acc#

sp:YM25_YEAST

P40219

Description

HYPOTHETICAL 16.4 KD PROTEIN IN TIF34-SWP1 INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5937825_f2_38	3591	8813	107	324		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6914530_c3_202	3592	8814	69	210		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
7134587_f2_36	3593	8815	1022	3069		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10555337_f1_16	3594	8816	233	702	202	5.1e-16

Protein name

Locus Name

Acc#

glycosyl transferase

gp:SPAJ6986

AJ006986

Description

Streptococcus pneumoniae type 33F DNA, capsular gene cluster.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10572281_c1_271	3595	8817	254	765		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10599062_f2_97	3596	8818	94	285		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10740936_f3_233	3597	8819	627	1884	292	7.6e-24

Protein name

Locus Name

Acc#

serine/threonine protein kinase related protein

pir:H69064

H69064

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
11723437_f2_138	3598	8820	307	924		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
11984410_c3_488	3599	8821	258	777	460	1.6e-43

Protein name

Locus Name

Acc#

hypothetical protein

gp:SAURED

Y09927

Description

Staphylococcus aureus glmM gene cluster.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1250280_f1_25	3600	8822	157	474	203	2.7e-16

Protein name

Locus Name

Acc#

sp:YOHJ_ECOLI

P33372

Description

HYPOTHETICAL 14.6 KD PROTEIN IN PBPB-CDD INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12538406_f3_242	3601	8823	633	1902	454	6.8e-43

Protein name

Locus Name

Acc#

sp:YFEW_ECOLI

P77619

Description

HYPOTHETICAL 47.8 KD PROTEIN IN UCPA-AMIA INTERGENIC REGION PRECURSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12673751_f2_171	3602	8824	110	330		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1351375_c3_464	3603	8825	82	249		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13709431_c2_416	3604	8826	137	414	150	1.1e-10

Protein name

Locus Name

Acc#

hypothetical protein

pir:S76920

S76920

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13808507_f1_45	3605	8827	307	924	177	3.1e-13

Protein name

Locus Name

Acc#

comEA protein-related protein

pir:F72301

F72301

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14257802_f3_240	3606	8828	391	1176	127	2.1e-13
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein			pir:G75375		G75375	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14459691_c2_408	3607	8829	237	714	106	0.0065
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
triadin isoform 3			gp:AF165917		AF165917	
<u>Description</u>						
Canis familiaris triadin isoform 3 mRNA, complete cds.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14500800_c2_415	3608	8830	399	1200		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15681530_c3_444	3609	8831	295	888	246	5.7e-31
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:CCSA_TOBAC		P12216	
<u>Description</u>						
CYTOCHROME C BIOGENESIS PROTEIN CCSA						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15713262_c3_456	3610	8832	71	216		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
157788_f2_91	3611	8833	263	792		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16289086_f3_259	3612	8834	309	930	129	3.4e-05

Protein name

Locus Name

Acc#

interphotoreceptor retinoid-binding protein

gp:DRRNAIRBP

X85957

Description

Danio rerio mRNA for interphotoreceptor retinoid-binding protein.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16804510_c3_471	3613	8835	79	240		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19547890_f1_5	3614	8836	370	1113	188	8.2e-17

Protein name

Locus Name

Acc#

sp:OTC_ARCFU

029013

Description

ORNITHINE CARBAMOYLTRANSFERASE, (OTCASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19727333_c3_491	3615	8837	208	627		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20134428_f3_255.....	3616	8838	139	420		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20312527_f2_165.....	3617	8839	297	894		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21913177_c3_446	3618	8840	255	768	153	7.6e-11

Protein name

transcription regulator, crp family

Description

Locus Name

pir:F72285

Acc#

F72285

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21961513_f2_145	3619	8841	456	1371	861	5.1e-86

Protein name

Description

(ORF2)

Locus Name

sp:YBBC_BACSU

Acc#

P40407

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21989375_f2_128	3620	8842	443	1332	619	2.2e-60

Protein name

Description

(D-ALANYL-D-ALANINE-ADDING ENZYME)

Locus Name

sp:MURF_BACSU

Acc#

P96613

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22062501_f3_175	3621	8843	287	864	414	1.2e-38

Protein name

glutamate racemase

Description

Locus Name

pir:B70329

Acc#

B70329

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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22136_f2_129	3622	8844	459	1380	948	3.1e-95
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<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
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sodium-dependent transporter homolog yocr	pir:D69902	D69902
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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22460312_f1_54	3623	8845	1121	3366	461	1.5e-66
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<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
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115K outer membrane protein precursor:SusC protein	pir:JC6027	JC6027
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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22900257_c2_355	3624	8846	175	528		
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<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
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Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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23484750_f3_257	3625	8847	893	2682	1179	1.0e-119
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<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
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sp:PARC_BORBU	051066
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Description

TOPOISOMERASE IV SUBUNIT A,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23721906_c3_472	3626	8848	111	336		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23930318_f3_172	3627	8849	839	2520	407	1.9e-38

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

outer membrane protein Omp85

gp:AF021245

AF021245

Description

Neisseria meningitidis outer membrane protein Omp85 (omp85) gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23932786_f3_258	3628	8850	297	894		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23957950_f1_38	3629	8851	702	2109	353	1.0e-28

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

two component sensor

gp:AF030352

AF030352

Description

Pseudomonas aeruginosa two component sensor (lcmA) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24019053_f2_101	3630	8852	89	270	169	1.1e-12
Protein name			Locus Name		Acc#	
DNA repair protein			pir:H72239		H72239	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24025277_f2_100	3631	8853	141	426	189	8.2e-15
Protein name			Locus Name		Acc#	
			sp:RADC_BACSU		Q02170	
Description						

DNA REPAIR PROTEIN RADC HOMOLOG (ORFB)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24025316_c3_439	3632	8854	184	555	171	1.1e-15
Protein name			Locus Name		Acc#	
immunoreactive 30kD antigen PG44			gp:AF175717		AF175717	
Description						

Porphyromonas gingivalis strain W50 immunoreactive 30kD antigenPG44 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24026552_f1_67	3633	8855	286	861	607	4.2e-59
Protein name			Locus Name		Acc#	
			sp:YFEU_HAEIN		P44862	
Description						

HYPOTHETICAL PROTEIN HI0754

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
24270327_c3_498	3634	8856	265	798	98	0.019

Protein name

Locus Name

Acc#

unknown

gp:AF049236

AF049236

Description

Arabidopsis thaliana putative transmembrane protein Glp (AtG1), putative nuclear DNA-binding protein G2p (AtG2), Eml protein (ATEM1), putative chlorophyll synthetase (AtG4), putative transmembrane protein G5p (AtG5), putative acyl-coA dehydrogenase (AtG6), and calcium dependent protein kinase genes, complete cds; and unknown genes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
24415892_c3_489	3635	8857	76	231		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
24470300_c3_500	3636	8858	404	1215	1234	1.5e-125

Protein name

Locus Name

Acc#

acetate kinase

pir:H72397

H72397

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
24641933_f2_142	3637	8859	490	1473	167	9.9e-10

Protein name

Locus Name

Acc#

glycosyl transferase PAB0772

pir:B75096

B75096

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648257_f3_205	3638	8860	233	702	449	2.3e-42

Protein name

Locus Name

Acc#

sp:YOHK_ECOLI

P33373

Description

HYPOTHETICAL 24.5 KD PROTEIN IN PBPG-CDD INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24804562_f3_229	3639	8861	341	1026	968	2.3e-97

Protein name

Locus Name

Acc#

aspartate-semialdehyde dehydrogenase,

pir:B70461

B70461

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25494017_f3_235	3640	8862	470	1413	259	2.1e-24

Protein name

Locus Name

Acc#

amidase enhancer

gp:AB017194

AB017194

Description

Plectonema boryanum ORF270, proline iminopeptidase, ferredoxin andamidase enhancer genes, complete and partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26359827_c3_476	3641	8863	242	729	365	1.8e-33

Protein name

Locus Name

Acc#

sp:YGDLECOLI

Q46927

Description

HYPOTHETICAL 28.6 KD PROTEIN IN GCVA-MLTA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26364591_c3_512	3642	8864	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26594061_c2_354	3643	8865	495	1488	814	4.2e-122

Protein name

Locus Name

Acc#

sp:NRFA_HAEIN

P45017

Description

CYTOCHROME C552 PRECURSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26595877_c3_487	3644	8866	323	972	707	1.1e-69

Protein name

Locus Name

Acc#

sp:YBAS_ECOLI

P77454

Description

HYPOTHETICAL 32.9 KD PROTEIN IN USHA-TESA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26601586_c2_395	3645	8867	288	867	553	2.2e-53

Protein name

Locus Name

Acc#

dihydropteroate synthase

pir:E72425

E72425

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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29414003_f2_118	3646	8868	70	213		
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<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
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Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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29478385_c1_297	3647	8869	712	2139	703	3.0e-79
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<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
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hypothetical protein	pir:S76532	S76532
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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29882802_f1_65	3648	8870	969	2910	1636	3.8e-168
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<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
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d-lactate dehydrogenase	pir:A71843	A71843
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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30120267_c1_316	3649	8871	385	1158		
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<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30261425_f3_231	3650	8872	600	1803	96	1.3e-05

Protein name

unknown

Locus Name

gp:U96771

Acc#

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3156927_c3_499	3651	8873	341	1026	859	8.3e-86

Protein name

phosphotransacetylase

Locus Name

gp:TTAJ4870

Acc#

AJ004870

Description

Thermoanaerobacterium thermosaccharolyticum ptaA and ackA genes, orf1, orf2, orf3, orf4.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31881508_c1_298	3652	8874	237	714	541	4.1e-52

Protein name

ABC transporter

Locus Name

pir:B70327

Acc#

B70327

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33211586_c3_506	3653	8875	328	987	429	6.3e-45

Protein name

Locus Name

sp:DDL_HAEIN

Acc#

P44405

Description

D-ALANINE--D-ALANINE LIGASE, (D-ALANYLALANINE SYNTHETASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33406262_c3_440	3654	8876	171	516	238	5.3e-20
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
nimB protein			pir:I40183			
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33675253_f2_127	3655	8877	450	1353	186	1.4e-11
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
NorA			gp:AB019536			AB019536
<u>Description</u>						
Staphylococcus aureus norA23 gene for NorA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34023425_c3_486	3656	8878	486	1461	1130	1.6e-114
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
glutamate decarboxylase:protein sll1641:protein sll1641			pir:S75150			S75150
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34069067_f2_98	3657	8879	192	579	929	3.2e-93
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:EFP_BACFR			P70889
<u>Description</u>						
ELONGATION FACTOR P (EF-P)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34095887_c3_501	3658	8880	470	1413	487	5.7e-58
Protein name			Locus Name		Acc#	
alkaline phosphatase			pir:B72410		B72410	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34632811_f3_178	3659	8881	376	1131	93	0.038
Protein name			Locus Name		Acc#	
hypothetical protein sll0670			pir:S77054		S77054	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35348812_f3_176	3660	8882	413	1242	549	5.9e-53
Protein name			Locus Name		Acc#	
glutamate 5-kinase proJ			pir:F69682		F69682	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36345282_c1_330	3661	8883	175	528	364	2.4e-33
Protein name			Locus Name		Acc#	
			sp:YBC5_CHLVI		050310	
Description						
HYPOTHETICAL 36.7 KD PROTEIN IN BCH1 5' REGION						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36365942_c2_400	3662	8884	297	894		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3923751_c1_324	3663	8885	114	345	237	6.8e-20
Protein name			Locus Name		Acc#	
conserved hypothetical protein			pir:C75306		C75306	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3937680_c2_409	3664	8886	521	1566	129	0.0015
Protein name			Locus Name		Acc#	
elastic titin			pir:I38346		I38346	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3939462_c3_492	3665	8887	103	312		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3961412_c2_358	3666	8888	424	1275	83	0.013
Protein name			Locus Name		Acc#	
polyprotein			gp:AF206441		AF206441	
Description						

Hepatitis C virus isolate 28B polyprotein gene, E1/E2 region, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4063932_f1_2	3667	8889	85	258	68	0.047
Protein name			Locus Name		Acc#	
conserved hypothetical protein aq_340			pir:C70330		C70330	
Description						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4101502_c3_494	3668	8890	376	1131		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4101563_f2_150.....	3669	8891	285	858	106	0.0082

Protein name

Locus Name

Acc#

hypothetical protein W06B4.2

pir:T34482

T34482

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4109777_f2_164.....	3670	8892	599	1800	176	1.5e-09

Protein name

Locus Name

Acc#

hypothetical protein

pir:S75991

S75991

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4410807_f3_236.....	3671	8893	437	1314	252	4.1e-19

Protein name

Locus Name

Acc#

gp:HILIC3

X57315

Description

Haemophilus influenzae lic3 locus, containing galE and adk genes for UDP-galactose-4-epimerase and adenylate kinase.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4535957_f3_177	3672	8894	419	1260	867	1.2e-86
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Protein name	Locus Name	Acc#
gamma-glutamyl phosphate reductase	gp:STPROBA	X92418

Description

S.thermophilus proB and proA genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4554687_c1_329	3673	8895	184	555	382	2.9e-35
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Protein name	Locus Name	Acc#
	sp:YBC5_CHLVI	O50310

Description

HYPOTHETICAL 36.7 KD PROTEIN IN BCHI 5' REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4563927_c3_441	3674	8896	202	609	338	1.3e-30
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Protein name	Locus Name	Acc#
small subunit of cytochrome c nitrite reductase	gp:WSU245540	AJ245540

Description

Wolinella succinogenes mreB gene (partial), nrFH, nrFA, nrFI, and nrFJ genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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46933_c3_495	3675	8897	642	1929		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4718961_c2_413	3676	8898	217	654	151	1.3e-08
Protein name			Locus Name		Acc#	
protein kinase homolog			pir:T42077		T42077	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4723376_f1_59	3677	8899	1027	3084		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4744062_c2_397	3678	8900	87	264		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4782761_f3_207	3679	8901	342	1029	109	0.0020
Protein name			Locus Name		Acc#	
hypothetical protein PAB0896			pir:G75045		G75045	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4876563_c2_403	3680	8902	105	318		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5272813_f1_63	3681	8903	313	942		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5907312_c1_332	3682	8904	249	750		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6022312_c2_388	3683	8905	164	495	92	0.0068

Protein name

Locus Name

Acc#

hypothetical protein SPAC11E3.10

pir:T37538

T37538

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6109552_c1_317	3684	8906	63	192		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
657811_f3_206	3685	8907	323	972	451	1.4e-42

Protein name

Locus Name

Acc#

hypothetical protein jhp0277

pir:H71950

H71950

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6754515_f1_77	3686	8908	455	1368		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
677088_c2_412	3687	8909	112	339		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
683393_f2_162	3688	8910	64	195	58	0.0087

Protein name Locus Name Acc#

NADH dehydrogenase 1 gp:AF069183 AF069183

Description

Lipolexis gracilis NADH dehydrogenase 1 gene, mitochondrial gene encoding mitochondrial protein, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6917183_c2_378	3689	8911	62	189		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
797255_f3_173	3690	8912	168	507	160	9.7e-12

Protein name

Locus Name

Acc#

automembrane protein H

gp:YEOMPH

Y12468

Description

Y.enterocolitica ompH gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
815626_f2_104	3691	8913	447	1344		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
84812_f1_56.....	3692	8914	404	1215	632	9.4e-62

Protein name

Locus Name

Acc#

sp:YBBC_BACSU

P40407

Description

(ORF2)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
859637_f2_140.....	3693	8915	494	1485	411	2.5e-38

Protein name

Locus Name

Acc#

hypothetical protein

pir:S75887

S75887

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
892000_f3_174	3694	8916	188	567	117	1.8e-06

Protein name	Locus Name	Acc#
periplasmic protein	gp:PLU236920	AJ236920

Description

Photorhabdus luminescens yael (partial), firA (partial), oma and ompH genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
969077_c1_264	3695	8917	521	1566	873	4.8e-121

Protein name	Locus Name	Acc#
glycine--tRNA ligase, glyS:glycyl-tRNA synthetase:glycyl-tRNA synthetase	pir:B70146	B70146

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
978432_c1_314	3696	8918	357	1074		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9843876_f2_99	3697	8919	196	591		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9940957_c1_325	3698	8920	260	783	233	1.8e-19

Protein name

Locus Name

Acc#

sp:YBBF_HAEIN

P44046

Description

HYPOTHETICAL PROTEIN HI0735

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10337833_c2_266	3699	8921	123	372	116	7.8e-06

Protein name

Locus Name

Acc#

sp:FAS_PNECA

P29251

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10625043_c3_280	3700	8922	336	1011	329	1.2e-29

Protein name

Locus Name

Acc#

hemin permease

gp:YEHMSTUV

X77867

Description

Y.enterocolitica hemS, hemT, hemU and hemV genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12616700_c2_253	3701	8923	70	213		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12629665_c1_202	3702	8924	350	1053		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12713383_f1_3.....	3703	8925	69	210		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13102149_c1_172.....	3704	8926	199	600	421	2.1e-39

Protein name

Locus Name

Acc#

sp:YLCA_ECOLI

P77380

Description

PROBABLE TRANSCRIPTIONAL REGULATORY PROTEIN YLCA

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1360942_f1_20.....	3705	8927	90	273		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14179057_f1_44	3706	8928	60	183		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14494061_f3_166	3707	8929	236	711	228	6.1e-19

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

precorrin-2 methyltransferase, :protein
slr1879:protein slr1879

pir:S77131 S77131

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14502316_c2_234	3708	8930	60	183	49	0.046

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

sp:Y031_TREPA 083074

Description

HYPOTHETICAL PROTEIN TP0031

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15078450_c2_270	3709	8931	492	1479	829	1.2e-82

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

putative efflux pump component MtrF

gp:AF176820 AF176820

Description

Neisseria gonorrhoeae strain FA19 putative efflux pump component MtrF (mtrF) gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16839502_c2_250	3710	8932	240	723	251	2.2e-21
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein PAB0910			pir:B75048		B75048	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16853403_c3_279	3711	8933	73	222		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19553813_f2_91	3712	8934	163	492	376	1.3e-34
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:PYRI_PYRAB		P77919	
<u>Description</u>						

ASPARTATE CARBAMOYLTRANSFERASE REGULATORY CHAIN

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20428526_f3_152	3713	8935	198	597	186	1.7e-14
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein PH0856			pir:D71136		D71136	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20839062_f3_157	3714	8936	682	2049	310	7.4e-25
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
histidine kinase sensor protein (barA) RP229			pir:B71677		B71677	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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21978425_f3_150	3715	8937	310	933	92	0.00087
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Protein name

Locus Name

Acc#

gp:D42067

D42067

Description

Porphyromonas gingivalis DNA for Fimbrilin, ORF1-4, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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22272061_f3_131	3716	8938	317	954	783	9.4e-78
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Protein name

Locus Name

Acc#

sp:KPRS_HELPY

P56184

Description

PYROPHOSPHATE SYNTHETASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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22375437_f2_90	3717	8939	94	285		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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22539002_c1_177	3718	8940	388	1167	269	9.3e-22
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Protein name

Locus Name

Acc#

sp:Y878_METJA

Q58288

Description

HYPOTHETICAL PROTEIN MJ0878

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22656925_c1_218	3719	8941	789	2370	459	5.7e-76
Protein name			Locus Name		Acc#	
penicillin binding protein 1A			pir:F70355		F70355	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23456506_f1_22	3720	8942	60	183		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23473387_f1_2	3721	8943	208	627	115	0.00026
Protein name			Locus Name		Acc#	
hypothetical protein BBI16			pir:G70241		G70241	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23652250_c3_301	3722	8944	198	597		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24410937_f3_118	3723	8945	137	414	169	1.1e-12
Protein name			Locus Name		Acc#	
structural protein P5			gp:AF155037		AF155037	
Description						
Alteromonas phage, complete genome.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24495875_f2_93	3724	8946	259	780		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24626325_c3_315.....	3725	8947	1496	4491	157	5.2e-08

Protein name

Locus Name

Acc#

putative histidine kinase

gp:AF036964

AF036964

Description

Lactobacillus sake putative response regulator (rrp1) and putative histidine kinase (hpk1) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24640875_c1_219.....	3726	8948	329	990	234	5.4e-18

Protein name

Locus Name

Acc#

processing proteinase sll2009:protein
sll2009:protein sll2009

pir:S77156

S77156

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24640938_f2_85.....	3727	8949	318	957	829	1.2e-82

Protein name

Locus Name

Acc#

hypothetical protein

gp:AF088897

Description

Zymomonas mobilis cosmid clone 65G3, partial sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24642257_f1_35	3728	8950	238	717		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24644067_c1_180.....	3729	8951	344	1035	469	1.8e-44

Protein name

Locus Name

Acc#

ferric enterobactin transport ATP-binding

gp:U67531

Description

Methanococcus jannaschii section 73 of 150 of the complete genome.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24647032_c3_294.....	3730	8952	725	2178		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24647186_f1_34.....	3731	8953	428	1287	1159	1.3e-117

Protein name

Locus Name

Acc#

sp:GLYA_ECOLI

P00477

Description

(SHMT)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2519010_f1_31	3732	8954	467	1404	110	0.0040
Protein name			Locus Name		Acc#	
53kDa major outer membrane protein			gp:D31835		D31835	
Description						
Porphyromonas gingivalis DNA for 53kDa major outer membraneprotein, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25429811_c3_274	3733	8955	468	1407	334	1.5e-31
Protein name			Locus Name		Acc#	
LISK			gp:AF139908		AF139908	
Description						
Listeria monocytogenes lisR/lisK gene locus, complete sequence.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25970057_f1_33.....	3734	8956	312	939	838	1.4e-83
Protein name			Locus Name		Acc#	
			sp:PYRB_VIBS2		P96174	
Description						
TRANSCARBAMYLASE) (ATCASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26370312_f3_162.....	3735	8957	300	903	345	2.4e-31
Protein name			Locus Name		Acc#	
probable dTDP-4-dehydrorhamnose reductase APE1179			pir:G72588		G72588	
Description						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26595887_c1_224	3736	8958	244	735	166	2.3e-12
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
probable two-component system response transcription regulator			pir:T36499		T36499	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26680261_f3_161.....	3737	8959	181	546		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
27175_c2_236.....	3738	8960	69	210		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
287518_f2_87.....	3739	8961	75	228		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29789211_f3_146.....	3740	8962	72	219		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3008468_f3_116	3741	8963	318	957		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31439062_f1_21	3742	8964	447	1344	97	0.010

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

VirM

gp:ATTIA6NC1

AF039888

Description

Agrobacterium tumefaciens plasmid pTiA6NC VirM (virM) and VirL(virL) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31667587_f2_81	3743	8965	451	1356		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
32228437_c3_285	3744	8966	706	2121	171	2.4e-15

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

unknown

gp:AF007381

AF007381

Description

Flavobacterium johnsoniae gliding motility protein (gldA) gene, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32229687_c1_217	3745	8967	160	483	91	0.00022

Protein name

Locus Name

Acc#

sp:IHFA_HAEIN

P43723

Description

INTEGRATION HOST FACTOR ALPHA-SUBUNIT (IHFA-ALPHA)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33465_c3_275	3746	8968	233	702	187	1.3e-14

Protein name

Locus Name

Acc#

sp:YVBG_BACSU

O32244

Description

HYPOTHETICAL 22.6 KD PROTEIN IN OPUCA-ENO INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34163936_f1_43	3747	8969	536	1611	440	2.1e-41

Protein name

Locus Name

Acc#

RprX

gp:S59000

S59000

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34275760_c3_310	3748	8970	135	408	147	2.2e-09

Protein name

Locus Name

Acc#

processing proteinase:protein slr1331:protein slr1331

pir:S75528

S75528

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36040712_c3_292	3749	8971	107	324	101	8.5e-05
Protein name			Locus Name		Acc#	
Hypothetical protein HI1452			gp:D90724			
Description						
Escherichia coli genomic DNA. (19.4 - 19.8 min).						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
37575_c2_244	3750	8972	570	1713	1579	4.2e-162
Protein name			Locus Name		Acc#	
			sp:FTHS_CLOAC		P13419	
Description						
SYNTHETASE) (FHS) (FTHFS)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4007776_f2_84	3751	8973	1095	3288	475	9.6e-78
Protein name			Locus Name		Acc#	
115K outer membrane protein precursor:SusC protein			pir:JC6027		JC6027	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4409550_c2_249	3752	8974	74	225	125	5.0e-08
Protein name			Locus Name		Acc#	
hypothetical protein PH0719			pir:H71118		H71118	
Description						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4484812_c2_267	3753	8975	407	1224	549	5.9e-53
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein srl1485	pir:S74454				S74454	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4727126_f3_117	3754	8976	112	339		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4860263_f2_113	3755	8977	154	465		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4882187_c3_316	3756	8978	390	1173	276	7.8e-23
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
transposase	gp:AF038866				AF038866	
<u>Description</u>						

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4957677_f3_160	3757	8979	266	801		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5116285_f2_112.....	3758	8980	585	1758	258	2.8e-21

Protein name

Locus Name

Acc#

sp:PA1G_HUMAN

Q15102

Description

SUBUNIT) (PAF-AH GAMMA SUBUNIT)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
546942_c3_293.....	3759	8981	79	240		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6538182_c1_179.....	3760	8982	106	321	183	8.2e-14

Protein name

Locus Name

Acc#

sp:BTUC_ECOLI

Description

VITAMIN B12 TRANSPORT SYSTEM PERMEASE PROTEIN BTUC

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6679652_f2_78	3761	8983	288	867	338	1.3e-30

Protein name

Locus Name

Acc#

sp:KDSB_HAEIN

P44490

Description

SYNTHETASE) (CMP-2-KETO-3-DEOXYOCTULOSONIC ACID SYNTHETASE) (CKS)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9881327_f3_145	3762	8984	704	2115		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
191552_f1_2	3763	8985	159	477	222	1.2e-17

Protein name

Locus Name

Acc#

probable phospho-sugar mutase 2

pir:E71082

E71082

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19812812_c1_4	3764	8986	136	408		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3957142_f1_1	3765	8987	76	231		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10322187_f1_86	3766	8988	219	660		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1054553_c2_428	3767	8989	360	1083	368	8.9e-34

Protein name

Locus Name

Acc#

conserved hypothetical protein aq_1630

pir:F70440

F70440

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10557192_f1_32	3768	8990	78	237		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11726391_c3_547	3769	8991	154	465	538	8.6e-52

Protein name

Locus Name

Acc#

putative UDP-GlcNAc:undecaprenylphosphate

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1178127_f1_9	3770	8992	374	1125	972	8.8e-98

Protein name

Locus Name

Acc#

sp:AROC_SYNY3

P23353

Description

PHOSPHOLYASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1226412_f2_170.....	3771	8993	370	1113	160	6.6e-09

Protein name

Locus Name

Acc#

GumF protein

pir:S67855

S67855

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12363467_f2_195.....	3772	8994	158	477		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13009675_c3_590	3773	8995	913	2742		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14548187_c2_452	3774	8996	376	1131	136	2.0e-08

Protein name

Locus Name

Acc#

sp:VAPI_BACNO

Q46560

Description

VIRULENCE-ASSOCIATED PROTEIN I

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14645152_f1_111	3775	8997	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14728887_f2_213	3776	8998	412	1239	835	2.9e-83

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:H72377

H72377

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14938777_c2_427	3777	8999	213	642		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
156500_c1_372.....	3778	9000	122	369	205	1.7e-16

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

ribosomal protein S06	pir:G70305	G70305
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15650915_f2_210.....	3779	9001	510	1533	311	4.2e-36

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

hypothetical protein TM1421	pir:B72256	B72256
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16446002_c3_545.....	3780	9002	801	2406	901	1.0e-101

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

hypothetical protein Rv0584	pir:G70934	G70934
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16603388_c2_447	3781	9003	181	546	402	2.2e-37

Protein name

Locus Name

Acc#

BsAa

gp:AB013377

AB013377

Description

Bacillus halodurans C-125 comGB and bsAa genes and tRNA-His, Ala, Arg, Gly and Tyr genes, complete and partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
17010942_c1_337	3782	9004	787	2364	1111	1.6e-112

Protein name

Locus Name

Acc#

beta-galactosidase, :lactase

pir:JC5618

JC5618

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
176561_c1_416.....	3783	9005	359	1080	600	2.3e-58

Protein name

Locus Name

Acc#

hypothetical protein slr1772

pir:S74628

S74628

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
191552_c3_532.....	3784	9006	471	1416	687	1.4e-67

Protein name

Locus Name

Acc#

probable phospho-sugar mutase 2

pir:E71082

E71082

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20192257_f1_105	3785	9007	304	915	281	1.5e-24

Protein name

Locus Name

Acc#

gp:STALYTS

L42945

Description

Staphylococcus aureus lytS and lytR genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2031317_f1_99	3786	9008	85	258		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20509682_f1_82	3787	9009	293	882	162	1.3e-09

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor (fiuI), transmembrane sensor (fiuR), and hydroxamate-type ferrisiderophore receptor (fiuA) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20523966_f2_208	3788	9010	369	1110	240	9.8e-18

Protein name

Locus Name

Acc#

sp:YEHU_ECOLI

Description

HYPOTHETICAL 62.1 KD PROTEIN IN MOLR-BGLX INTERGENIC REGION PRECURSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20704802_c1_402	3789	9011	465	1398	465	4.7e-44

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:G72220

G72220

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2110137_c1_359.....	3790	9012	118	357		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22114756_f1_31.....	3791	9013	532	1599	512	4.9e-49

Protein name

Locus Name

Acc#

hypothetical protein jhp1110

pir:A71849

A71849

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22300006_f1_33.....	3792	9014	169	510	81	0.0040

Protein name

Locus Name

Acc#

DbhB

gp:AF110185

AF110185

Description

Burkholderia pseudomallei strain 1026b DbhB (dbhB), general secretory pathway protein D (gspD), general secretory pathway protein E (gspE), general secretory pathway protein F (gspF), GspC (gspC), general secretory pathway protein G (gspG), general secretory pathway protein H (gspH), general secretory pathway protein I (gspI), general secretory pathway protein J